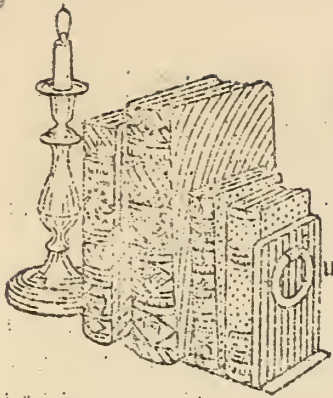


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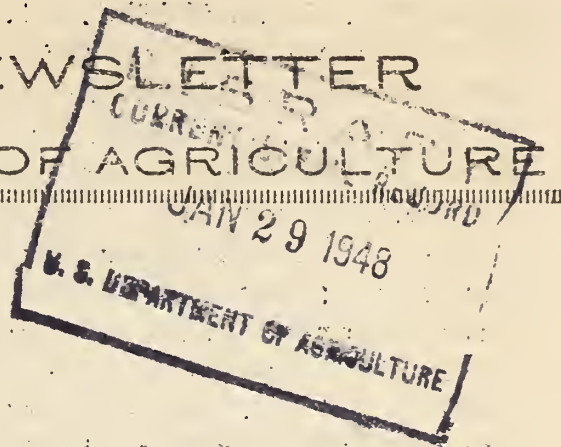
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LIBRARY NEWSLETTER

U. S. DEPARTMENT OF AGRICULTURE



LINCOLN BRANCH
RUDGE & GUENZEL BLDG.
LINCOLN 1, NEBRASKA

Vol. 7, No. 1 January 1948

NEW LIBRARY BOOKS

THE WALLACES OF IOWA, by Russell Lord. 598 p. 1947 (120 W155W) The portrait of a family and a document on American agricultural policy and its evolution. In the recent "controversies" about Mr. Wallace various terms have been applied--impractical, dreamer, messianic, unpredictable, wise, farseeing, rash--so it must be that he is a challenging person. Most of the reviewers of this book agree that Russell Lord has presented an excellent analysis of Henry C. and Henry A. Wallace and their ideas and motivations. "Beyond all question, Henry A. was one of the greatest 'leaders' any department of our federal government has ever had. But he was not so good a 'governor' of it." Reading the book may not bring one to a definite conclusion about its central character, but it leads at least to a better understanding. From this extensive biography one gets, too, several fairly complete biographies of other men in public life, such as Milo Perkins, M. L. Wilson, Jesse Jones, Jerome Frank, Rexford Tugwell, and others. Alston Waring in the Survey Graphic says of the book that perhaps its special interest lies in the fact that here is a farm family with its roots in the Corn Belt and with a record of first-rate agricultural achievement and that its story depicts a long epoch in American farm life; also that the author's manner of writing reveals something of his own interest in the turbulent and changing background of rural society adjusting to a dominant industrialism. There is an abundance of anecdote to throw light on the complexity of the era. Some of the reviewers say there is too much in the book, others aver that too much has been left out..."for example, so vague is the treatment of the evolution of the Farm Security Administration... The most glaring omissions are the complete failure to deal with the bringing of the Farm Credit Administration into the Department of Agriculture, and the almost complete failure to deal with the unfortunate attempt to make the BAE the policy-making arm of the Department..." Each reader likewise may make his own judgment...

NORTH AMERICAN WILDLIFE CONFERENCE. TRANSACTIONS, 12th, 1947. 542 p. (412.9 N814 12th) A few of the papers included: More Public Knowledge--Less High Dams; Some New Techniques--Hoofed Mammals; The Effects of Ammonium Sulfamate on Emergent Aquatic Vegetation; Salinity as a factor in Atlantic Coast Tidewater Muskrat Production; New Techniques for Breeding Ground Surveys; The Future of Wildlife in Forest Land Use; A Power Company's Stake in Wildlife; The Pheasant Decline and Land-Use Trends, 1941-1946.

FIELD-CROP ENTERPRISES, ed. by R. W. Gregory. 533 p. 1946 (64 D29) The various sections of this textbook have been written by different authors, for instance "Grass and clover enterprises" was prepared by Zora M. Smith of Indiana, and "Alfalfa enterprise" by Ray I. Throckmorton, of Kansas. They have the teacher's point of view clearly in mind, know the importance of teaching according to enterprise units, and believe in maintaining a close connection between classroom work and farm jobs. Twenty-one enterprises are included; each enterprise is divided into a number of jobs according to the most approved plans of job analysis commonly followed. This revised edition contains new sections on soils, and the soils treatments in all sections have been revised. Experiment station findings relating to field crops, soils and fertilizers are included.

LANGUAGE IN ACTION--A GUIDE TO ACCURATE THINKING, READING AND WRITING, by S. I. Hayakawa. 239 p. 1947 (200 H32) An attempt to apply certain scientific and literary principles to the thinking, talking, listening, reading, and writing we do in everyday life. It is hard to say which is the most convincing feature of this book--what it says or the way in which it is said. His own writing is an example of what he aims at--how to express exactness. You know the chief difference between the writings of literature and the writings of science, but how would you express this knowledge to another person--in one sentence or in one paragraph? How could you illustrate it vividly in one page? You will see many examples of this just as a matter of course in Mr. Hayakawa's book--sharp seeing and sharp writing--or should we say accurate and perspicacious thinking and writing? What is meant by "over people's heads"? In one paragraph you get the answer, not in a statement but in a couple of apt examples, in a paragraph which opens with "Reliance upon the affectiveness of facts..." What is the difference between the "slick" magazines and the "quality" magazines? See p. 155. What about the writing of reports of reports of reports? Along with the teaching this book does, you'll get some good laughs. You get too the plus element of learning a good deal about ourselves as well as about words--for instance a good lecture on the intellectually persnickity persons of us who insist that people mean what they say and that they talk only when they have something to talk about. (You see it in a different light after a page of Hayakawa.)

STATISTICAL METHODS--APPLIED TO EXPERIMENTS IN AGRICULTURE AND BIOLOGY, by G. W. Snedecor. 476 p. 4th edition, 1946 (251 Sn2) It is a fundamental belief of the author that statistical method can be used competently by scientists not especially trained in mathematics. "The only mathematics used in this book is arithmetic, supplemented by enough symbolism to make the exposition intelligible." In the present edition the text has been largely rewritten, and the scope has been widened.

HOW TO CHART FACTS FROM FIGURES WITH GRAPHS, by W. E. Weld. 209 p. 1947, (325 W452) Mr. Weld tells in his free and easy style when and why to use each kind of chart. "To the business man who is just beginning the use of graphs this book gives the information necessary to start him out not only on the right foot but rightly on both feet. For those already enjoying the benefits that are derived from an acquaintance with the plain chart, this will expand the horizon and possibilities of graphic representation tremendously. Some of the chapters: Basic principles, with special reference to bar charts; Time series line chart; Curve smoothing, scale selection, plotting; Strata charts, negative values; The ratio chart; Probability charts; Stock market charting; Business forecasting; Making and reproducing graphs; Trilinear chart; Exhibits.

GLACIAL GEOLOGY AND THE PLEISTOCENE EPOCH, by R. F. Flint. 575 p. 1947 (400 F641G) More than a reference book--it is written with enthusiasm and makes interesting reading. The emphasis is on the phenomena of glaciation, and the book will interest chiefly paleontologists, anthropologists, ecologists, and biogeographers. It does deal briefly with the extent of the successive continental glaciations, with preglacial, glacial and postglacial drainages, with pluvial waters, with Pleistocene chronology, with change in land and sea levels, and with climatic changes induced by glaciation. It treats briefly the fossil record and human history in Eurasia and in the Americas. The Pleistocene epoch occupies a peculiarly important place in the time scale of geology, for it embraces the events of the latest million or more years in the history of the earth and is therefore so recent that it bridges the gap between the geologic changes now in progress and the more remote past. The various aspects of the Pleistocene embrace many branches of geology and in addition other fields such as plant and animal ecology.

REMAKING AMERICA, by Jay Franklin. 287 p. 1942 (280.12 C24) This book isn't a brand new one, but it is good to read--spend an hour on it as a refresher course in brushing up your concept of our national evolution. As the author sees it, we live amid the ruins of four splendid American dreams--which he quickly reviews and then turns to the facts which are with us now, determining our tenure on this continent. The theory of individualism, which measured economic adequacy by monetary income and which held the social theory that certain people were poor because they were "no-good" has been weakened by the things that have come to pass even in our generation. "What potent thing could be done to rescue the South from the aftermath of Appomattox?" We are already doing it--we are seeing the Southern farmers raise and eat sufficient food for a well-balanced diet--if we can do this for a couple of generations, we will remake the South... There have always been floods and levees--but within half a human generation by the application of brains, machinery, credit, and energy massive pieces of practical engineering have been carried out and now is apparent the continental economics of a federal system of flood-control. Building up every man's stake in America has necessarily become a necessary part of our pursuit of happiness. American civilization is now a city civilization, and low rural standards of living have become a vital concern to our future cities. Operating the country as a unit has come to have a meaning in our concept of things. Valuations and techniques are now in practice which are new and encouraging--in what other country can the humblest farmer have the fullest advantage of the machine age in his daily work--where else is health considered as security for loans? The author feels that our social attitudes and our manner of working out problems in defense of the nation bid fair to determine that the original American dream shall survive.

ANIMAL ECOLOGY, by A. S. Pearse. 658 p. 2d edition, 1939 (411 F312A) Seven new chapters have been added to this edition. The chapter on color in the old edition has been combined with that on animals. The two chapters on ecological factors have been amplified, and new chapters include information on climate, evolution, chronology, succession, climaxes, rhythms, communities, competition, populations, teaching, ecological problems, and economic ecology. 132 illustrations have been added.

THE PROBLEM OF FERTILITY, ed. by E. T. Engle. 250 p. 1946 (444.9 C762) Gives the results of an investigation of various aspects of reproduction in domestic animals. Proceedings of the Conference on Fertility held under the auspices of the National Committee on Maternal Health.

BULLETINS AND PAMPHLETS RECENTLY RECEIVED

Soil Conservation Interests

- RECLAMATION AND USE OF ALKALI SOILS. Ore. Exp. Sta. Techn. Bull. 10 (100 Or3S)
- EFFECT OF FERTILIZERS ON SOIL ACIDITY AND ALKALINITY. Okla. Exp. Sta. Bull. 312. (100 Ok4B 312)
- ACID SOILS IN OKLAHOMA—HOW THEY FORM, ETC. Okla. Exp. Sta. Bull. 313 (100 Ok4B)
- CROP ADAPTATION TO SOILS OF VARYING ACIDITY OR ALKALINITY. Okla. Exp. Sta. Bull. 316 (100 Ok4B 316)
- DIAGNOSIS AND IMPROVEMENT OF SALINE AND ALKALI SOILS. BPI Regional Salinity Lab., Riverside, Calif. (1.965 A2D542)
- SOIL REACTION AND AVAILABILITY OF PLANT NUTRIENTS. Okla. Exp. Sta. Bull. 315. (100 Ok4B 315)
- NITROGEN ON PASTURES, N. C. Exp. Sta. Agron. Inf. Circ. 141 (100 N81Aic 141) Summary of the results obtained during past several years. Many charts.
- GROUP ACTION IN SOIL CONSERVATION (SCS, Upper Mississippi Valley, Region III) (1.9605 G912)
- OPERATION OF SAND PLANTS IN KANSAS STREAMS. No. 276 of Kansas State Board of Agriculture Report (2 K13R 276)
- SOIL CONSERVATION—A PRIMARY STEP IN FLOOD CONTROL. Address by J. C. Dykes, SCS, June 1947 (1.96 Ad6Dy)
- OUR STAKE IN SOIL CONSERVATION. Address by H. H. Bennett, Sept. 1947 (1.962 Ad62)
- SOIL CONSERVATION AND RURAL LIFE. Address by H. H. Bennett, Lincoln, July 1947. (1.962 Ad62)
- BASIC PRINCIPLES UNDERLYING THE WORK OF THE SOIL CONSERVATION SERVICE. SCS. (1.96 Ad6Bas)
- A SIGNIFICANT DECADE IN SOIL CONSERVATION. H. H. Bennett, Aug. 1947 (1.962 Ad62)

Forestry Interests

- MANAGEMENT PRACTICES FOR CHRISTMAS TREE PRODUCTION. FS Northern Rocky Mt. Forest & Range Exp. Sta., Missoula, Mont. Station Paper 9 (1.9622 N3St1 no. 9)
- OBSERVATIONS ON DEER AND HUNTERS IN THE FISHER RIVER DISTRICT, MONTANA. Research Note 48 (Missoula) (1.9622 N3R31 48)
- THE EFFECTS ON MAMMALS OF DDT USED IN FOREST INSECT CONTROL IN THE NORTHERN ROCKY MOUNTAINS. Research Note 56 (Missoula) (1.9622 N3R31 56)
- SEEDING GRASS BY AIRPLANE ON WESTERN MONTANA'S BURNED-OVER TIMBERLANDS. Research Note 52 (Missoula) (1.9622 N3R31 52)
- IMPROVING COMPOSITION IN YOUNG WESTERN WHITE PINE STANDS. Research Note 43. (Missoula) (1.9622 N3R31 43)
- GROWTH RATE OF SELECTIVELY CUT PONDEROSA PINE IN WESTERN MONTANA. Research Note 55 (1.9622 N3R31 55)
- MONTANA STATE FORESTER REPORT, 13th, Jan. 1947 (for 1941-1946)
- CONVERTING FACTORS AND TABLES OF EQUIVALENTS USED IN FORESTRY. USDA Miscel. Pub. 225, revised 1947 (1 Ag84M 225)

General Farm Interests

- PROPER CARE OF THE MOWING MACHINE. Miss. Exp. Sta. Inf. Sheet 387 (100 M69In)
- RUBBER-TIRED EQUIPMENT OF PRINCIPAL FARM MACHINES. BAE & PMA (1.941 L6F22 29)
- THE FARM SHOP. Ohio Ext. Serv. Bull. 201 (275.29 Oh32 201)
- HOW TO SELECT AND USE CONCRETE BLOCKS IN FARM BUILDING. Ky. Ext. Serv. Circ. 434. (275.29 K415 434)
- WIRING THE FARMSTEAD. Kans. Ext. Serv. Bull. 63, rev. (275.29 K13E 63)
- THE SWEET POTATO VINE-ROW HARVESTER. N.C. Exp. Sta. Bull. 358 (100 N81B 358)
- CULINARY QUALITIES AND NUTRITIVE VALUES OF POTATOES GROWN UPON DRY AND IRRIGATED LAND. Wyo. Exp. Sta. Bull. 280 (100 W99B 280)
- DEVELOPING RAPID-FEATHERING CHICKENS. Nebr. Exp. Sta. Cir. 83 (100 N27C 83)
- RHUBARB GROWING AND FORCING. Ore. Ext. Serv. Circ. 486 (275.29 Or32C 486)
- EARLY MARKETING OF RANGE CATTLE PAYS! USDA AIS series no. 66. Sept. 1947 (1Ag84Ai)

Miscellaneous

- DIGEST OF AGRICULTURAL LEGISLATION ENACTED DURING 80th CONGRESS, 1st Session. 25 p. Aug. 15, 1947 (1.9 Ag872B 80th)
- MINUTES, LAND-GRANT COLLEGE USDA COMMITTEE ON TRAINING FOR GOVERNMENT SERVICE, Washington, D. C., Nov. 9, 1947. (249.39 L22M Nov. '47) Recruitment of beginners in professional agriculture work; transfer of agricultural specialists back and forth between state and federal govt. work; basis for selecting agricultural officers for the foreign service of the United States; etc.
- KANSAS AGRICULTURAL CONVENTION, 1947. Addresses, papers, discussions. (2K13R 278)
- FEDERAL RURAL LANDS. 73 p. BAE. June 1947 (1.941 L3F31) Extent, character, use.
- AGRICULTURAL OUTLOOK CHARTS, 1948. 73 p. BAE (1.9 Ec7 Agrch 1948) Presents the economics of farming in a way that shows the relationships among the many different factors affecting that business. Inflation, prices received and paid, net income, assets and liabilities, changing technology, are all considered in view of their effect on plans that individual farmers must make. This general picture is followed by a series of charts on major commodities grouped by regions.
- MONTANA'S PRODUCTION, 1930-1947. 60 p. Bureau of Business Research, Montana State University, Missoula (252.49 Un3 no. 11) A statistical summary of the state's industries.
- PRICE SPREADS BETWEEN FARMERS AND CONSUMERS FOR FOOD PRODUCTS. 31 p. BAE. June, 1947 (1 Ag84M 576 suppl. '47) A statistical supplement to Misc. Pub. 576 which covered Jan. 1944-Mar. 1947. (For an 8-page article on the food marketing spread, and some of the reasons why marketing margins increase, and why these margins are of not too much concern to the farmer, see "Where the Food Dollar Goes" in November 1947 issue of Marketing Activities. PMA)
- COLLEGES AND UNIVERSITIES OFFERING COURSES IN WILDLIFE MANAGEMENT. U.S. Fish and Wildlife Service. Wildlife Leaflet 296. Aug. 1947 (156.22 F52 296)
- STUDIES IN WYOMING GRASSES. Univ. of Wyo. Publications v.12, no.1/4. Technical descriptions, by C. L. Porter. (500 W99 v.12) (The bulletin also contains a bibliography of the history of Wyoming)

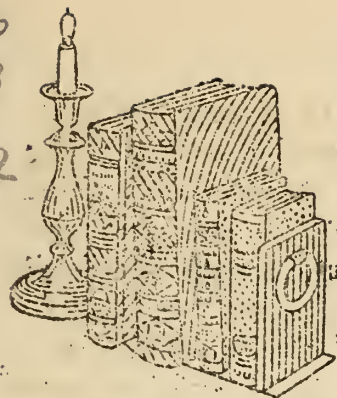
NUTRITION AND HOMEMAKING--WYOMING LIBRARY PLAN. In a recent issue of Journal of Home Economics we noticed a news note about a plan of the Wyoming Home Economics Association to bring some of the newest phases of nutrition and homemaking to as many homemakers as possible in its sparsely populated state. An inventory has been made of the home economics books available in each county and branch library and a master record of these compiled and kept up to date by the Association, also a list of recommended additions. The Association and the state librarian and the state home demonstration leader are working together on recommendations to discard out-of-date books on nutrition, clothing, textiles, child care, etc., and to replace these with newer books. The state library maintains a special list of home economics books available from its shelves. As new books become available they are publicized in the county newspapers. The county librarian and the county home demonstration agent have copies of lists. Some women's clubs are undertaking the responsibility of presenting their local libraries with one or two home economics books each year. This should be of interest to USDA leaders in Wyoming--you might help publicize the plan among your rural groups.

EVALUATING SOIL CONSERVATION. This is the title of an article by E. C. Weitzell (BAE) in the May 1947 issue of Journal of Farm Economics. "In terms of farm operation and management it is important that privately-financed measures return a net benefit, and that public investments are made to the greatest advantage from the standpoint of social welfare. Legislators need guides relative to the wisdom of voting appropriations; administrators need valid justification for their activities; creditors need loan justifications; and farmers and taxpayers want to know whether the recommended measures 'pay' or not." The author reviews some of the methods used in evaluating soil conservation and suggests some alternative approaches.

The above issue also contains an article **MEASURING THE FAMILY FARM**, by O. J. Scoville (BAE), which defines a "family farm", a "family size farm", and the "socially desirable family-size farm" and discusses criteria and specific examples which can be used in forming a defensible concept of such units.

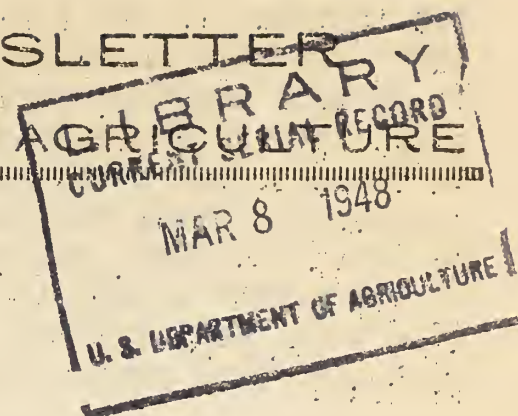
SUBJECT PACKETS FOR REFERENCE OR FOR BROWSING: For each of the following subjects we have a packet of bulletin material already grouped for mailing (by frank) and can prepare others that you need if published material is available. These are loaned for two weeks and are renewable if no other request is waiting. In some cases you may prefer to check a list rather than receiving the prepared packet:

Alfalfa	Fertilizers	Seed production
Atomic research & the farmer	Freezing foods	Sheepraising
Beef cattle	Irrigation	Silage & silos
Bees & honey	Mastitis	Soybeans
Broiler raising	Missouri Valley & the MVA, etc.	Sugar beets
Cooperatives	Pastures	Swine
DDT	Ponds	Turkeys
Dairy cattle & dairying	Potatoes	Weed control & 2,4-D
	Poultry	Wheat



LIBRARY NEWSLETTER

U. S. DEPARTMENT OF AGRICULTURE



LINCOLN BRANCH
RUDGE & GUENZEL BLDG.
LINCOLN 1, NEBRASKA

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February 1948

"Employers have found that, other things being equal, a well-read and thoughtful person is more likely to become a valuable and trusted official than a person whose mind has closed for a long vacation." --P.B. McDonald. Personality and English in Technical Personnel. 1946.

NEW LIBRARY BOOKS

THE MISSOURI VALLEY--LAND OF DROUGHT, FLOOD, AND PROMISE, by Rufus Terral. 274 p. 1947 (138 T27) Mr. Terral of the St. Louis Post-Dispatch has written an account of the valley with its lively and checkered past and its potentially luxuriant future. He has persuasive arguments for a developmental program covering the entire area under the control of an MVA. The book is of more than local significance. Can an MVA be created--above drouths, floods, politics, graft, water-law wrangles and wars of words--a workable Federal agency without special interests? This resume of geographical, economic and historical factors should awaken nationwide interest in the MVA and stimulate enlightened thinking. Problems involved range from the riparian and agricultural to machinations of lobbying and government--a good microcosm for scrutiny of the "American way of life."

ECONOMIC FREEDOM FOR THE WEST, by Wendell Berge. 164 p. University of Nebraska Press, 1946 (280.003 B45) Where does the West go from here? What obstacles must be met in order for the West to achieve its fullest desirable growth? What measures are available to surmount the hazards? Already gains have been made. The fifteen Western States with roughly 50% of the land area of the country had in 1939 only 14% of the population, 8% of the factory employment and 10% of the value of factory products out of the national totals. The great war plants have changed this and have opened a new frontier in American economic development. It is the author's belief that free enterprise is the key which can unlock the combination of resources, people, markets and new industries for the West, and that monopoly is the barrier. One pressing question is the fate of the war plants... Large scale production of steel in the West should begin at the earliest possible moment... The aluminum industry should be kept open, and free of monopoly... The West should share in the new frontier of technology,

for instance in the field of the new chemical industries... It needs to attract and hold an adequate population for growth in industry and agriculture. It is by a healthy, active and progressive public opinion, as much as by specific acts of Government, that confidence in ability to cope with the future is created, and it is the author's concern that an intelligent, vital Western regionalism shall be developed which will mean a far greater degree of local economic autonomy, the reconstitution of a point of view, and the recapture of the spirit of adventure in economic affairs. It does not take long to read this book, and although it has no special literary style or qualities it is an interesting presentation of the region's problems and possibilities.

AUSTRALIA, THE NEW CUSTOMER, by Howard Daniel and Minnie Belle. 359 p. 1946.

(280.1992 D22) The scope and content of the book have been determined principally through the authors' direct experience in supplying the kind of information American business men want about Australia as revealed in thousands of inquiries made of them while in charge of the information office of the Australian War Supplies Procurement Agency in New York and Washington. The first eight chapters give general background information important in an adequate understanding of Australia as a market. The next twenty chapters give detailed attention to primary and secondary industries, as well as to communication, transportation, public utilities and other facilities, with particular emphasis on the future outlook and market opportunities for American business. The chapter on agriculture takes up agricultural machinery, electrification of farms, fertilizers, size of farms, wheat, irrigation, root crops, etc.

PLENTY OF PEOPLE, by W. S. Thompson. 235 p. 1944 (280 T37PL) The book is an attempt to introduce the lay reader to the problems of population growth--to try to understand how population growth is related to welfare and how it may be controlled to this end if it seems desirable to do so. (In connection with this subject we might mention too the book POPULATION ROADS TO PEACE OR WAR, by G. I. Burch, a 1945 book on our shelves, which in 133 pages brings out various aspects of population fallacies, limitation factors, and import--for instance the urgency of such studies as these, in that "millions of people still fancy that a firm peace may be established on good will or perhaps by a strong policeman, or through return to some ancient moral code. The notion that a clear understanding of people in the mass, their ways of living, and the consequences of their habits is needed to reorganize our affairs has penetrated few minds.")

STYLES OF ADDRESS. A Manual of Usage in Writing and in Speech, by Howard Measures. 1947. 209 p. 1947 (230 M46) A reference book designed to show at a glance, in several gradations of formal and friendly style, the form of address and title, the salutation and the complimentary close in English correspondence with persons in different parts of the world, and the style to use in speaking to and in referring to persons in various countries.

SUCCESSFUL PART-TIME FARMING, by Haydn S. Pearson. 322 p. 1947 (31.3 P312S) Thousands of American families want the space and freedom of country living but at the same time hesitate to give up the steady income from a city job. In this book Haydn Pearson, well-known farming authority, gives a tested answer to the problem, a plan that enables the head of the family to follow his trade or profession in an urban center while adding \$1,000 or more to his income with a part-time farm--and getting all the big bonuses in health and contentment there are in real country living.

FOREST SOILS AND FOREST GROWTH, by S. A. Wilde. 218 p. - 1946 (56.3 W64F)
T. W. Whitaker, USDA, La Jolla, Calif., says of this in a recent issue of The American Naturalist: "...A well-organized, well-written book that should be of interest not only to foresters, but also to soil scientists, ecologists, and those persons directly concerned with the production phases of the lumbering industry. American soil scientists will have reason to be grateful to Wilde for making available to them the extensive European literature of forest soils, most of it written in German and Russian." After an historical introductory chapter, there are a group of chapters dealing with the genesis of forest soils, genetic soil groups of the world, and the forest cover. Then follow chapters on the physical properties of forest soils, the chemical properties of forest soils, the organisms of forest soils, forest humus, soil-forest types and forest soil survey. The next four chapters are devoted to a discussion of reforestation, amelioration, productivity, and management of forest soils.

SOIL EXHAUSTION AS A FACTOR IN THE AGRICULTURAL HISTORY OF VIRGINIA AND MARYLAND, 1606-1860, by A. O. Craven. 172 p. Published by the University of Illinois, 1925. (56.6 C85) The author's purpose was to study the general conditions surrounding agriculture in a certain period, the methods employed and the results produced. From the study it is hoped that the importance of "soil exhaustion" in the history of a region may be pointed out and that there may be some solution to the question of why destructive methods were employed.

BULLETINS AND PAMPHLETS RECENTLY RECEIVED

Agronomic Interests

SEASON, DATE, AND DEPTH OF PLANTING CRESTED WHEATGRASS AND OTHER GRASSES AT LOWER ELEVATIONS IN NORTHERN NEVADA, by J. H. Robertson, Forest Ecologist, U. S. Forest Service, Ogden, Utah. Research Paper 14. 1947 (1.9622 I2R31 14)

NUTRITIONAL QUALITIES OF RANGE FORAGE PLANTS IN RELATION TO GRAZING WITH BEEF CATTLE ON THE SOUTHERN PLAINS EXPERIMENTAL RANGE. USDA Techn. Bul. 943. Dec. 1947 (1 Ag84Te 943)

INFLUENCE OF SOME PERENNIAL GRASSES ON THE ORGANIC MATTER CONTENT AND STRUCTURE OF AN EASTERN NEBRASKA FINE-TEXTURED SOIL, by J.R. McHenry and L.C. Newell (Reprinted from Journal of the American Society of Agronomy, Nov. 1947)

THE NEBRASKA GRASS IMPROVEMENT AND TESTING PROGRAM, by L.C. Newell. (Reprinted from Nebraska Crop Improvement Association Annual Report, 1946/47)

THE GRASSES: THEIR GROWTH AND DEVELOPMENT. Ohio Agr. Exp. Sta. Agronomy Mimeograph 105. 1946 (100 Oh32 105) Over a considerable number of years, a study of the growing habits of grasses has been conducted, cooperatively, by the BPI Division of Forage Crops and Diseases and the Ohio Agr. Exp. Sta. Dept. of Agronomy. During the progress of these investigations, large numbers of abstracts from the literature dealing with the subject were made, and this report has grown out of the information accumulated in those abstracts.

DISTRIBUTION OF THE VARIETIES AND CLASSES OF WHEAT IN THE UNITED STATES IN 1944. USDA Circ. 761. 1948 (1 Ag84C 761)

EFFECTS OF MOWING FREQUENCY ON THE YIELD AND PROTEIN CONTENT OF SEVERAL GRASSES GROWN IN PURE STANDS, by L.C. Newell and F. D. Keim. Nebr. Agr. Exp. Sta. Res. Bul. 150 (100 N27R 150)

General Farm Interests

- SEED-BED PREPARATION AND CULTIVATION FOR SUGAR BEETS. Calif. Agr. Exp. Sta. Bul. 701 (100 C13Sb 701)
- PRODUCTION OF SPINACH. USDA Leaflet 128, rev. 1948 (1 Ag84L 128)
- MARKETING EGGS. USDA Farmers Bul. 1378, rev. 1947 (1 Ag84F 1378)
- A HANDBOOK FOR BETTER FEEDING OF LIVESTOCK. USDA Misc. Circ. 12, rev. 1947. (1 Ag84Cm 12)
- FEEDING POTATOES TO LIVESTOCK. Colo. Agr. Exp. Sta. Techn. Bul. 37 (100 C71St)
- THE FEEDING OF LIVESTOCK. Mo. Agr. Exp. Sta. Bul. 330, rev. 1943 (100 M693B)
- COVER CROP AND SOD PLUS MULCH ORCHARD SOIL MANAGEMENT. Ohio Agr. Exp. Sta. Bul. 672 (100 Oh3Sb 672)
- COLLAR, HAMES AND HARNESS FITTING. N. C. Ext. Serv. Circ. 298 (275.29 N811)
- REDUCING HEAT LEAKAGE IN FARM BUILDINGS AND DWELLINGS. Cornell Ext. Bul. 714. (275.29 N48E 714)
- HOME TANNING OF LEATHER. Tex. Agr. Ext. Serv. Bul. 86 (275.29 T312 86)
- BACKYARD RABBIT RAISING FOR MEAT PRODUCTION. Wash. Ext. Serv. Bul. 295 (275.29 W27P 295)
- FARMING THAT FITS THE LAND--IN THE LOESS DRIFT HILLS OF NORTHEASTERN KANSAS. SCS. PA-35 (1 Ag84Pro 35)
- FACTS ABOUT LEGAL SAFEGUARDS IN BUYING A FARM. Ohio State Univ. Dept. of Rural Economics and Rural Soc. Ext. Fact Series 45. 1946 (275.29 Oh32Fs 45)
- FARM-FAMILY LIVING IN 1948. Ohio Ext. Serv. Bul. 286 (275.29 Oh32 286) 4 pages: How many people on farms? How does the farm family income look? Are farm families saving as well as spending? How does the farm family spend its money? What about prices of things the family buys? What is the food supply picture? Are there materials for improving houses? What is the supply of furnishings and equipment? What is the clothing news? Can the family have a car? Do health services need attention?
- AGRONOMY SEED LABORATORY--ITS FUNCTIONS AND SERVICES EXPLAINED. S. Dak. Agr. Exp. Sta. Agronomy Dept. Pamphlet no. 1. 1944 (100 So82A) Farmers, seedsmen and others frequently require tests on seed for labeling or for planting purposes. This information is intended to clarify questions on seed testing work and to explain the services available in the matter of seed analysis.
- ELECTRIC EAR-CORN ELEVATOR. S. C. Agr. Ext. Serv. Circ. 300 (275.29 So8E 300)
- ELECTRIC PORTABLE SAW. S. C. Agr. Ext. Serv. Circ. 299 (275.29 So8E 299)
- PORTABLE GRAIN ELEVATOR (as built by Texas A&M College Agr. Eng. Research Dept.) 1 page (275.29 T313 46)
- BALED HAY ELEVATORS. 1 page (275.29 T313 43)
- HOMEMADE CONCRETE BLOCKS. BPISAE, Div. of Farm Buildings and Rural Housing. Information Series 56 (1.9 R531I 56)

Annual Reports

- REPORT OF THE SECRETARY OF AGRICULTURE, 1947. 52 p. (1 Ag84) (The library also has the 1947 report of PMA, SCS, Ext. Serv., GCC, Budg. & Finance, REA, FCIC, Personnel Off., Library, Off. of Solicitor)

Forestry Interests

HINTS FOR USE OF THE WHEATLAND-TYPE PLOWS FOR BRUSH ERADICATION IN CONNECTION WITH RANGE RESEEDING, by J.H. Robertson and A.P. Plummer, Forest Ecologists, Intermountain Forest and Range Exp. Sta., Ogden, Utah. Research Paper 13. (1.9622 I2R31 13)

COMMERCIAL SOURCES OF FOREST TREE SEED OR SEEDLINGS. U.S. Forest Service, June 30, 1947. (1.962 C5C73) List of names and addresses, by state.

THE MERITS OF LODGEPOLE PINE POLES. Northern Rocky Mt. Forest & Range Exp. Sta., Missoula. Station Paper 10 (1.9622 N3St1 10)

WHAT IS THE RIGHT CUTTING CYCLE FOR PONDEROSA PINE? No. Rocky Mt. For. & Range Exp. Sta., Missoula. Research Note 57 (1.9622 N3R31 57)

TRACTOR SKIDDING ATTACHMENTS. Forest Products Lab., Madison, Wis. (1.9 F761R 1637-11)

Regional Geological Interests, Water Resources, Etc.

PHOSPHATE DEPOSITS NEAR LANDER, WYOMING. Wyo. Geological Survey Bul. 39.

THE GEOLOGY OF THE FLORA QUADRANGLE. N. D. Geological Survey Bul. 22.

GEOLOGY AND GROUND-WATER RESOURCES OF SCOTT COUNTY, KANSAS. Kans. Geological Survey Bul. 66 (406 K13B 66)

SUBSURFACE GEOLOGIC CROSS SECTION FROM FORD COUNTY, KANSAS TO DALLAM COUNTY, TEX. Kans. Geological Survey Oil and Gas Investigations, Prelim. Cross Section no. 3.

THE NEOSHO RIVER BASIN PLAN OF STATE WATER RESOURCES DEVELOPMENT. Kans. State Board of Agr. Report 280. 132 p. (2 K13R 280) "In order to secure the most advantageous adjustment of the interests involved in matters of floods, flood protection, drainage, irrigation, water power and navigation the Division of Water Resources does hereby adopt general plans for the control and development of the waters of the Neosho river basin as herein set forth." July 1947,

Miscellaneous

REPORT OF THE PHILIPPINE-UNITED STATES AGRICULTURAL MISSION. June 1947. 50 p. (1.943 R293 no. 3) The report of the Mission written on the spot is a comprehensive diagnosis of the state in which Philippine agriculture is now found and contains valuable suggestions...

REPORT OF THE UNITED STATES-SYRIA AGRICULTURAL MISSION. Sept. 1947. 99 p. (1.943 R293 no. 4)

PERSONNEL MEETING, Dec. 1947, Biloxi, Miss. 183 p. (1.917 A2P432) A report of the third national meeting of Personnel officers of USDA at which those responsible for personnel administration have jointly focused their attention on problems affecting the efficiency and well being of employees.

PHILOSOPHY OF LAND-GRANT COLLEGES urging fewer people for our farms is destroying the roots of democracy. Address by G. F. Hellick, Trustee, Pennsylvania State College, Nov. 1945. (281.12 H36) A criticism of the 1944 report of the land-grant colleges. Cites the fact that only 7.7 per cent of the 219 graduates in the class of 1941 of a middle-western agricultural college went on farms; though most of them came from farms... More graduates from state university now engaged in farming than from the state agricultural college...

NOTES

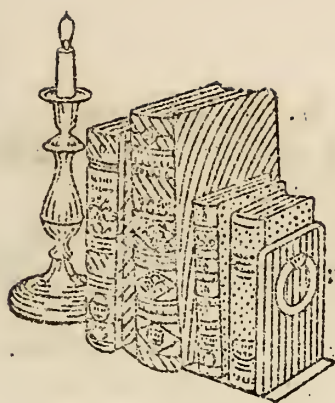
FOR LOCAL PERSONNEL: You will find on a table in the library the latest government bulletins, experiment station bulletins, various pamphlet material, speeches of the Secretary and other prominent USDA persons, etc. Such material immediately upon receipt will be placed on the reading table and will remain there while awaiting cataloging and listing in the next issue of the monthly Newsletter. The material will not be ready for loan but may be read in the library. As usual, new books also appear on a special shelf.

CHANGE OF ADDRESS: Please do not forget to inform us if your address changes. Send us a postcard or a note right away, and at the same time tell us if you have unfilled requests filed with us which have your old address thereon--if possible tell us the author and title of the book you had requested.

READ ALL ABOUT IT--the National Soil Fertility Bill that is awaiting Senate action is given an interesting analysis by the American Enterprise Association in the January issue of The Land Letter (Friends of the Land publication). Also in this issue you will find some interesting comments on the proposed Jensen Bill to establish a broad national land policy based on the conservation of soil and water resources and which would integrate the many phases of conservation problems under the technical direction of the SOS.

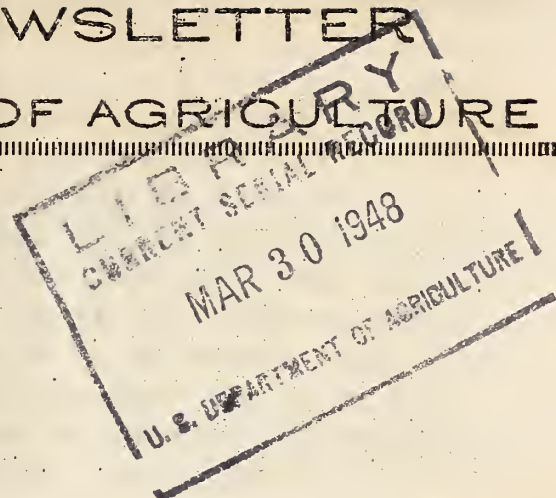
IF YOU DO NOT SEE IT IN THE NEWSLETTER: Ask us anyway--for instance if you need a book on how to make a speech, on kodachrome photography, on growth regulators for garden or field, on animal nutrition, on farm appraisal, on honey plants, on feeds, on how to handle grievances, etc., etc.--whether this branch library owns the book or not is not the question--we can borrow it for you from some other library that does have it. In case we have more than one book on the subject, any note you give us on what use you are going to make of the book or what special phase of the subject you are interested in will help us to select the best book for your purpose. (In the case of books for purely personal reading, that is books which have no connection with your official work, we suggest that you procure such through your own State Library Commission at your state capital, except that of Montana which is at the University of Montana Library, Missoula)

Have you read what Secretary Anderson said about farmer co-ops in his recent address called A LITTLE CLOUD OUT OF THE SEA? By all means you ought to give yourself the pleasure of sitting back in your chair and listening to your Secretary think out this question of farmer cooperatives, its significance to American farming, and to the continuance of the family-type farm; the justifications, the legal background, the evaluations, the responsibilities of farmer cooperatives, and of certain elements which now threaten their existence (including a brief clever analysis of the technique of manufacturing a hot political issue). These 14 pages serve as a stimulating review of the whole question and is worth reading for two other good reasons--it is a good example of a statement on USDA policy, and it is an example of a good speech. (1.91 A2An2)



LIBRARY NEWSLETTER

U. S. DEPARTMENT OF AGRICULTURE



LINCOLN BRANCH
RUDGE & GUENZEL BLDG.
LINCOLN 1, NEBRASKA

VOL. 7, No. 3

March 1948

NEW LIBRARY BOOKS

ECONOMICS, by John Ise. 703 p. 1946 (280 Is2) We believe you will appreciate seeing this book. It is a pretty safe bet that after you have read Mr. Ise's "Preface" you will not lay aside the book until you have read further. It happens that this annotation is being written the day following Raymond Moley's and Norman Thomas's discussion of the "isms" on Town Meeting, and we think that Mr. Ise could well have been there with his book. He is professor of economics at the University of Kansas. This book follows a plan that is more or less unique, in that throughout his sections on production, on prices, on distribution of wealth, etc. there runs the philosophical perspective and the evaluating appraisal and a fullness of explanation that makes it less difficult and more stimulating reading than the usual book on economics. He emphasizes the essential characteristics of capitalism and adopts a rather critical attitude generally, on the theory that world developments over the past 25 years prove that our economic system is not in a sound condition, and that the maintenance of capitalism calls for critical diagnosis and corrective treatment, perhaps including a modest amount of surgery. The conclusion of the argument of much of the book is that nothing less can save our present economic system for a long time to come. Much more than the usual attention has been given to the other isms, because some of the world is now living under other economic systems and because a consideration of other economic systems throws much light on the operation of capitalism. He hopes that the discussion of the Soviet system, for instance, will help students to see more clearly the function of prices in our economy. He avoids heavy emphasis on facts and figures that will soon be out of date and leans more to principles and doctrines. He includes an extensive bibliography of recent textbooks on principles of economics. The reading-page is black print, well-ledged, easy on the eyes.

PLANT MAGIC, by J. P. Haworth. 148 p. 1946 (463 H31) This book was written to answer the many technical questions about growing plants. The principles of the laws of nature as applied to plants growing in the soil are stressed, and many of the newer theories used in plant culture are described. The illustrative material has been selected because it is found around most homes, and can be examined by the reader. Includes chapters on roots, leaf structure, food making, the soil, weeds, flowers, hybridizing, plant hormones, soil improvement, fertilizers, rest period of plants, etc. It is not textbookish.

GEOMORPHOLOGY--An Introduction to the Study of Landforms, by C. A. Cotton. 492 p. 4th edition, 1947 (331 C82G) There is fascinating material in this book, even for the layman. Mr. James Thorp, BPI soil correlator for the Great Plains states sent us this note: "I have reviewed Geomorphology and find it to be a very useful book for men engaged in soil investigations. The fact that most of the illustrations are from New Zealand does not detract from the value of the book because geomorphic principles are being treated. I wish that all soil surveyors would read this book or one like Lobeck's 'Geomorphology' or like Von Engelns' book of the same title." Some of the chapters: Maturity of rivers and landscapes; Semi-arid and arid landscapes; Blown sand and dust accumulation; Glacial erosion; Fault scarps and fault-line scarps; The valleys of mature rivers; Limestone landscapes; Erosion--removal of rock debris; etc. Profusely illustrated with photographs and drawings.

THE GREAT FOREST, by R. G. Lillard. 399 p. 1947 (99.04 L62) Non-foresters will read this book as easily and with as much interest as foresters. Foresters, on the other hand, will not only find new information and facts but also new interpretations and significance attached to old facts. The author has worked as an ecologist in the Sierras, has traveled in all parts of the U.S., knows at first hand every national park, and is now teaching English at the University of California. The book is a comprehensive study of influences of forests on forces molding civilization in America, from the time when America was trees and Indians down to recent labor difficulties in the lumber industry. It is an account of lands described by explorers, of destruction of trees by early settlers of the log-cabin era, of western migration, of lumber barons, and of the growth of conservation and reforestation policy. It is an interesting history of our country from an unusual focus. Photographs and drawings add to the attractiveness of the book.

SOIL AND STEEL--Exploring the Common Interests of Farmers and Wage Earners, by P. Alston Waring and C. S. Golden. 240 p. 1947 (281.12 W23) A book dealing with the common interests of farmers and wage earners, written by two people, one who has discovered that his existence depends on cooperation, and one who is an ex-machinist and labor politician. They realize that in a complex society like ours, farmers and workers are dependent upon one another for their prosperity and security. They also know the fear many farmers have of organized labor, the distrust felt by many workers of united farmer attempts to raise the prices of food. The authors try to get at the causes of the mistrust, and to find techniques for unity. Why, with all the machinery we have at our disposal, are we baffled by the problem of food production? Why do we have surpluses while in the piled-up populations of cities many go hungry?...

WRITING SCIENTIFIC PAPERS AND REPORTS, by W. Paul Jones. 115 p. 1946 (200.4 J72) The chapters of this text were prepared for use in a course in the writing of scientific papers and reports offered for juniors and seniors in the scientific and engineering curricula in Iowa State College. Most of those who take the course have had no instruction in writing beyond freshman composition. The intention is to confront students with a number of problems in scientific exposition, and give them instruction and practice in organizing ideas and communicating them to the reader. There are chapters on analysis, description, the abstract, reports, the book review, style in scientific writing, sentence structure and diction.

Forestry Interests

SPACING DISTANCES FOR WINDBREAK TREES ON THE NORTHERN GREAT PLAINS. USDA Circ. 770. Feb. 1948 (1 Ag84C 770)

TREES AND TREE PLANTING--FOR POSTS, WINDBREAKS, AND EROSION CONTROL. Okla. Agr. Exp. Sta. Bull. 314 (100 Ok4B 314)

FRELIMINARY STUDY OF TREE PLANTATIONS IN OKLAHOMA: Relative Survival by Species, and Factors Affecting Survival. Okla. Agr. Exp. Sta. Techn. Bull. 29 (100 Ok4T)

CARE AND CULTURE OF FARM WOODLOTS, by J. A. Cope. Cornell Ext. Bull. 716 (275.29 N48E 716)

HEDGEROW MANAGEMENT--BOBWHITE'S ALLY, by Wendell Harmon, U.S. Forest Service, and David Damon of Game, Forestation and Parks Commission. Reprint from Outdoor Nebraska.

POSSIBILITIES OF MANAGING ASPEN. Lake States Forest Exp. Sta. Aspen Report no. 21. (1.9622 L2L14 21)

THE PLACE OF FORESTRY IN LAND UTILIZATION IN AUSTRALIA, with Special Reference to Soil and Water Conservation (99.36 G13)

DIRECT SEEDING WESTERN WHITE PINE--5th-Year Results. Northern Rocky Mt. Forest Exp. Sta. Research Note 44 (1.9622 N3R31 44)

TRANSPORTING LOGS BY SKYHOOK. Forest Products Lab., Madison, Wis. (1.9 F761R 1637-17)

LOG-MEASURING INSTRUMENT. Forest Products Lab., Madison, Wis. (1.9 F761R 1637-21)

STRADDLE LOGGING TRACTOR. Forest Products Lab., Madison, Wis. (1.9 F761R 1637-16)

Soil Conservation Interests

SELENIUM OCCURRENCE IN CERTAIN SOILS IN THE UNITED STATES, with a discussion of related topics: 7th report. USDA Techn. Bull. 950, Feb. 1948 (1 Ag84Te 950)

RESULTS OF TESTS ON VEGETATED WATERWAYS, and Method of Field Application. Okla. Agr. Exp. Sta. Misc. Pub. 12, in cooperation with SCS (100 Ok4Mp 12)

PEACH ORCHARD SOIL MANAGEMENT STUDIES. Utah Agr. Exp. Sta. Bull. 330 (100 Ut1B)

THE CHURCH AND THE LAND, by Ralph A. Felton, Dept. of the Rural Church, Drew Theological Seminary, Madison, N. J. 45 p.

IMPORTANCE OF FARM EQUIPMENT IN SOIL CONSERVATION. Address by H. H. Bennett before Iowa Retail Farm Equipment Assn., Des Moines, Nov. 1947. (1.96 Ad62 Nov. 5, 1947)

SOIL CONSERVATION IN RELATION TO NUTRITION. Address by H. H. Bennett at Pan Amer. Homeopathic Medical Congress, Oct. 3, 1947 (1.96 Ad62 Oct. 1947)

TEACHING CONSERVATION IN THE SCHOOLS OF THE FUTURE. Address by H. H. Bennett, Great Lakes Educational Conference, Chicago, Nov. 17, 1947 (1.96 Ad62 Nov. 1947)

NATURE OF MOVEMENT OF SOIL BY ACTION OF WIND IN WIND EROSION, by J. H. Stallings. 7 p. (1.96 R31Na) Includes "Relative efficiency of cultural treatments in stopping drifting of soil."

SOIL EROSION STUDIES, by W. D. Ellison. Pt. 1. Approach to the problem. 5 p. (1.96 R31Soe, pt.1)

PERMANENT PEACE--A WORLD'S SOIL PROBLEM. Address by H. H. Bennett before Friends of the Land, Houston, Texas, Nov. 7, 1947 (1.96 Ad62 Nov. 7, 1947)

General Farm Interests

- PROGRESS OF FARM MECHANIZATION. USDA Misc. Pub. 630. 101 p. Oct. 1947
(1 Ag84M 630) Includes graphs and maps and tables which show percentage and location of land broken with use of tractor; farms with central-station electric service; the various plows, corn pickers, etc.; with power used and average acres covered per 10-hour day; labor-saving results; man-hours used to produce an acre of various crops in various decades; index nos. of land value per acre and of net land returns per acre, and ratio of returns to value, 1912-1945.
- LABOR EFFICIENCY IN HARVESTING HAY. Me. Agr. Exp. Sta. Bull. 453 (100 M28Sb)
- THE ELECTRIC HAY HOIST. Calif. Ext. Serv. Circ. 139 (275.29 C12C 139)
- LIQUID MANURE PUMPS AND EQUIPMENT. Calif. Ext. Serv. Circ. 140 (275.29 C12C 140)
- COST AND EFFICIENCY OF PRODUCING SUGAR BEETS IN UTAH, 1945. Utah Agr. Exp. Sta. Bull. 329. Jan. 1948 (100 UtlB 329)
- FARMERS AND 1947 INCOME TAXES. Mass. Ext. Serv. Spec. Circ. 128, rev. Nov. 1947. (275.29 M381Sc 128)
- FENCE POSTS FOR SERVICE. Colo. Ext. Serv. Circ. 148-A (275.29 C71C 148)
- ERADICATION OF JOHNSON GRASS. Tex. Ext. Serv. (275.29 T312F 236)
- SMOKE HOUSES. Tex. Ext. Serv. (275.29 T312F 329)
- TRACTOR BUCK RAKE. Tex. Ext. Serv. (275.29 T313 44)
- PERSONAL AND FAMILY VALUES IN THE CHOICE OF A HOME. Cornell Agr. Exp. Sta. Bull. 840 107 p. (100 N48Cb 840) Part of a thesis presented at Cornell. Value tests and some self-teaching devices to enable individuals and families to think through their housing problems in terms of needs and preferences of family members make up the theme and purpose of the bulletin.
- HOUSE FRAMING. Kans. Engineering Exp. Sta. Bull. 50 (290.9 K132 50)
- ROOF COVERINGS FOR FARM BUILDINGS AND THEIR REPAIR. USDA Farmers Bull. 1751. (1 Ag84F 1751, rev. 1948)
- BLUEPRINTED FARM BUILDING MODEL EXHIBITS. (275.29 IL62Pa 541) Paper presented at annual meeting of Amer. Soc. of Agri. Engineers, Milwaukee. County agents and others have found the models very helpful in presenting information to farmers on construction of potato houses, dairy buildings, dipping vats, fireplaces, cold frames, etc.
- SEWAGE DISPOSAL. Wyo. Ext. Serv. Circ. 98. Jan. 1948 (275.29 W99C 98)
- REMOVING GREEN SCUM FROM TANKS AND RESERVOIRS WITH BLUESTONE. Tex. Exp. Serv. L-55. (275.29 T313 55)
- FEEDING SLOUGH HAYS AND OAT STRAW. N. D. Agr. Exp. Sta. Bull. 349 (100 N813B)
- STORAGE OF SWEETPOTATOES. USDA Farmers Bull. 1442, rev. 1948 (1 Ag84F)
- THE PRESENT POSITION OF THE FAMILY FARMER. 4-page statement by P.V. Maris, FHA Farm Ownership Division, at a meeting of the Rural Church and Land Tenure Commission. Designed to stimulate discussion. (1.95 T25A)
- 1948 OUTLOOK CHARTS, RURAL FAMILY LIVING. USDA Bur. of Human Nutrition and Home Ec. Includes some interesting charts showing annual per capita spending and the percent of increase the last few years, differing greatly in different sections of the country; charts on expenditure for medical care; for food; gifts and contributions, etc. (1.982 A20u83)

Miscellaneous

LONG-TERM ADJUSTMENT PROBLEMS OF AGRICULTURE IN THE FAR WEST. 7-page address by Carl P. Heisig, BAE, at Agricultural Outlook Conference, Nov. 1947 (1.941 A2H36)

LONG-RANGE AGRICULTURAL POLICY--HEARINGS before a subcommittee of the Senate Committee on Agriculture and Forestry and the House Committee on Agriculture, Oct. 6-8, 1947, pursuant to S. Res. 147 and H. Res. 298. 222 p. These very pertinent questions and answers and discussions under the leadership of Senator Aiken, Assistant Secretary Brannan, Mr. O. V. Wells, Chief of BAE, Mr. C. C. Farrington of PMA and others are vitally interesting because they picture for us not only the objectives of USDA but the evolution in farm-program thinking over a period of years. And of course too they present a wealth of factual information in the course of the conversations and in the prepared statements.

LONG-RANGE AGRICULTURAL POLICY AND PROGRAM--HEARINGS before a subcommittee of the Senate Committee on Agriculture and Forestry, Oct. & Nov. 1947. (Only pt. 2 is available, 1493 pages) Library also has the 68-page summary of these Hearings, submitted by Senator Aiken, Feb. 9, 1948 (Senate Report 885)

PUBLIC LANDS COMMITTEE HEARINGS at Rawlins, Wyo.; Billings, Mont.; Grand Junction, Colo.; Fresno, Calif.; Ely, Nev.; San Francisco, Calif. Summer and fall, 1947. (State whether you wish all 6 bulletins or that for one of the above places)

NATIONAL HEALTH PROGRAM--HEARINGS before a subcommittee of the Senate Committee on Labor and Public Welfare, July 1947, on S. 545 and S. 1320. Pt. 3. (What Congress is doing about health and medical care programs is a current question of special interest to people of low or moderate incomes, rural or urban. State if you wish us to include further summaries and reviews bearing upon the subject of prepayment medical care plans, etc.)

THE PUBLIC LAND PROBLEM AS A PUBLIC ADMINISTRATOR SEES IT. Address by Lyle F. Watts, Chief, U. S. Forest Service, before International Assn. of Game and Fish Commissioners, Sept. 1947, Denver. (1.962 A2W34)

UNESCO AND YOU--A Six-Point Program. 42 p. Questions and answers on the how, what, and why of your share in UNESCO. A Dept. of State publication.

OUR NATIONAL DEBT AND OUR SAVINGS. 5th in a series by the Committee on Public Debt Policy. Contains some interesting observations on savings and taxes.

AGRICULTURAL FINANCE REVIEW, v. 10, Nov. 1947. 146 p. (1.9 Ec78Af) Annual issue, BAE. Some of the articles included: Inflation and the banking situation, by F.I. Garlock; Agriculture's use of credit, by L. A. Jones; Production risks of the individual farmer, with particular reference to weather risks, by E.L. Barber; Reduction in number of mortgaged farms during the war, by H. T. Lingard.

TEN YEARS OF RURAL REHABILITATION IN THE UNITED STATES. BAE; Olaf Larson and others. 433 p. July 1947 (1.941 R4T25) A history and appraisal of various rehabilitation projects, with emphasis on the standard loan rehabilitation program of the Farm Security Administration. A wealth of detail tabulated from actual records and consolidated in one publication.

GRAIN SAVING FOR UNITED STATES EXPORT, by Helen C. Farnsworth. Food Research Institute, Stanford University. (280.9 L532 no. 10)

FARM PROGRAM OF THE AMERICAN FARM BUREAU FEDERATION--HEARINGS before House Committee on Agriculture, Jan. 1948. 47 p.

NOTES

IF YOU ARE NOT AT YOUR OFFICE THE WEEK YOUR LIBRARY BOOK ARRIVES: The book should not remain at your office more than three days awaiting your return. A secretary or a colleague at the office should return the book to the library so that others on the waiting list can be making use of the book, and should note for our information that the addressee is "not at office this week." Thereupon we will return it to the person the next time the book is available.

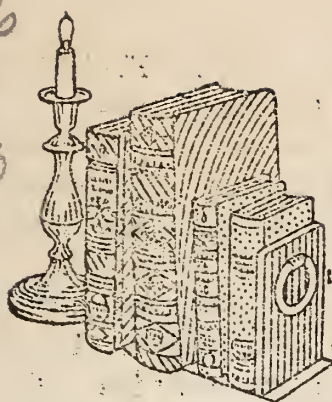
SEE AT A GLANCE: In what part of the country does the value of farm products used by farm households fall heaviest as compared with total value of farm products produced? Where are the vacant public lands (1934)? What part of the country has the greatest number of farms? What part of the country has most of its land in farms? Where are the crop failures? In what part is the most cropland used for pasture? Where in the Great Plains is idle cropland on the increase and where on the decrease? What is the average value of land and buildings per acre? What is the average value of land and buildings per farm (Jan. 1, 1945)? Consult GRAPHIC SUMMARY OF LAND UTILIZATION IN THE UNITED STATES, a cooperative report of the Bureau of the Census and the BAE, 1947. 37 p. (157.41 C782)

How can you measure the erosion resistance of soils? What are the types and stages of salinization of irrigated soils and the measures to be taken in order to control it? To what extent is the percolation of water through soils dependent upon soil factors? Why has the white-tailed jack rabbit become scarce in Kansas? How does the dendrometer measure daily radial growth of trees permitting thus closer measurement of the effects of silvicultural treatment upon tree growth? READ THE ABSTRACTS in the monthly issues of Biological Abstracts. A bit of browsing in the particular section that interests you may point you to some fact or experiment you would miss otherwise, as many of these are taken from foreign publications. We can add your name to the circulation list.

POPULISM UP-TO-DATE: THE STORY OF THE FARMERS' UNION is an interesting 10-page article in the October issue of Agricultural History. In the same issue: SOUTH DAKOTA'S RURAL CREDIT SYSTEM, A VENTURE IN STATE SOCIALISM, 1917-1946. It is an account of the period when South Dakota flirted with state socialism and North Dakota tried out the Nonpartisan League program. This story of state-owned and operated enterprises, money-lending, acquisition of land, etc., and of how and why the scheme failed is of "more than local significance because it represents a basic economic philosophy which is steadily gaining popularity in many quarters."

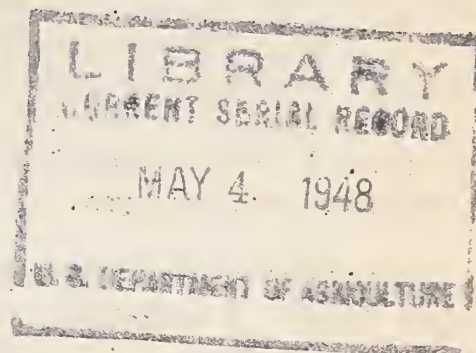
UNASYLVA is a new magazine of forestry and forest products issued by Food and Agriculture Organization of the United Nations. We now have the first three issues. If you would like to look them over send us your request.

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LIBRARY NEWSLETTER

U. S. DEPARTMENT OF AGRICULTURE



LINCOLN BRANCH
RUDGE & GUENZEL BLDG.
LINCOLN 1, NEBRASKA

VOL. 7, No. 4

April 1948

NEW LIBRARY BOOKS

THE LIFE AND DEATH OF THE LAND, by J. R. Whitaker. 113 p. George Peabody College for Teachers, Nashville, 1946 (279 W582) This slender volume has three approaches to the problem of conservation of natural resources. The first part deals with the whole problem as a challenge to every one of us. The second is concerned more directly with the teaching of conservation, particularly in geography classes. The third, somewhat more technical in style, is concerned with the history and theory of conservation. In one section the author runs down the line of conservation literature, reviewing briefly the contributions made by such writers as Marsh, Woeikof, Reclus, Friedrich, Brunhes, and Sauer to the problem from a world point of view. His intent here is to sample the best of the pertinent geographic literature published within the last century so as to give a somewhat comprehensive grasp of the history of thought on resource destruction and conservation as a phase of human occupancy of the earth as a whole. The last section of the book deals with the sequence and equilibrium in destruction and conservation of natural resources. Certain sequences of destruction and renewal are repeated with sufficient frequency to justify their identification as types. Likewise, types of equilibrium can also be recognized. He speaks of the significance of base levels and summit levels, and mentions Albrecht's report that in southern Minnesota virgin soils are in a condition of natural equilibrium at an organic-matter content of 4.44%, in northern Missouri 7.54%, and Arkansas 1.96%, and that it would be folly for farmers to work against forces which tend toward stabilization of the organic matter at certain levels.

AN INTRODUCTION TO AGRICULTURAL CHEMISTRY, by N. M. Comber and others. 306 p. 1947 (395 C73) This small yet very complete book is a concise discussion of the major subjects which come under the broad definition of agricultural chemistry. The main chapters are "Soils," "Fertilizers," and "Animal Nutrition," but within these terms the authors deal with a wide variety of topics, such as plant nutrition, the chemistry of the major constituents of plants and animals, the methods of field experimentation, etc. Especially thorough treatment is given to the formation, physical structure, and colloidal behavior of soils. The chapters on plant nutrition and on the determination of the availability in soils of various nutrients are excellent. The book is well organized, the style is clear and straight forward, and the index is very good.

THE WORLD GROWS ROUND MY DOOR, by David Fairchild. 347 p. 1947 (452.9 F16Wo)
David Fairchild now gives us an entertaining and delightfully informal account of The Kampong, his home on the edge of the tropics, where he has introduced into his garden many fruits, plants and ornamental trees collected from tropical regions all over the world. In presenting the picture of his Florida home he is led to describe the various places in which he has lived in other parts of the U. S., in Europe and the Pacific area. This volume combines conversational autobiography with a summing up of Dr. Fairchild's professional accomplishments in connection with the Seed and Plant Introduction section of the Department of Agriculture. Beautifully illustrated with the author's photos, it will appeal to all who share his scientific, gastronomic and architectural enthusiasms.

THE PHYSIOLOGY OF DOMESTIC ANIMALS, by H. H. Dukes. 795 p. 6th edition, 1947. (444 D882) A textbook covering circulation, respiration, digestion and absorption, metabolism and heat regulation, muscular activity and the nervous system, the special senses, endocrine organs, reproduction, and growth.

GARDEN FLOWERS IN COLOR, by D. H. Foley. 319 p. 1943 (96.025 F69) A colorful array of annuals, perennials, flowering trees and shrubs, vines, bulbs, and roses--typical of those grown in American gardens. Each plant is identified, and cultural directions given.

SOIL AND HEALTH--A Study of Organic Agriculture, by Sir Albert Howard. 307 p. 1946 (56.6 H83S) Food problems begin as soil problems, this author believes, and can only be solved by an understanding of what a fertile soil is, and how you help nature re-create soil to make it fertile and able to produce health-giving food for animals and man. After a couple of chapters on systems of agriculture and the maintenance of soil fertility in Great Britain, he takes up the problem of fertilizing and of disease in present-day farming and gardening. He emphasizes the essential things about food, saying that it must be grown in fertile soil, that is soil well supplied with freshly prepared high quality humus; it must be fresh; its cost must be stabilized.

SURVEYING--Theory and Practice, by R. E. Davis and F. S. Foote. 1003 p. 3d edition, 1940. (325 D292S) Intended primarily as a text for use in surveying classes as ordinarily conducted in engineering schools during the freshman or sophomore year, but also serving as a treatise on the subject of surveying sufficiently comprehensive to be found of value to practicing engineers and surveyors. Section 1 is an introduction to the subject, giving the fundamentals involved; section 2 treats in detail the fundamental operations common to surveying; section 3 is concerned with the practice of surveying as extended to entire surveys.

GEOGRAPHY, AGRICULTURE, INDUSTRIES OF NEBRASKA, by G. E. Condra. 336 p. 1946. (125 C75) Mr. Condra has related the interwoven aspects of physical conditions, seasonal changes, agricultural pursuits, industrial endeavor, and means of communication, transportation, and conservation into one coherent story that spells modern Nebraska. The many illustrations and maps are in themselves a description of the basic factors of the state and add much to the value of this small unpretentious text. There are maps to show latitude, longitude and altitude, topographic regions and soil regions, public power and irrigation projects, Indian reservations and early overland trails. The various larger topics include natural wealth, agricultural industry, the crops, animal industries, commercial aspects, and conservation.

BULLETINS AND PAMPHLETS RECENTLY RECEIVED

Forestry Interests

HIGHLIGHTS IN THE HISTORY OF FOREST CONSERVATION. 21 p. U. S. Forest Service, Jan. 1948 (1.962 A2H53)

PRACTICAL WOODLOT MANAGEMENT--How to Use the Forest Soundly and Profitably, by A. Koroleff. 1946 (99.62 K84) In everyday language and with scores of graphic pictures, this 60-page brochure tells exactly how to use the farm woodlot to the best advantage.

AIR OPERATIONS HANDBOOK. Chapter VII: Cargo Dropping. U. S. Forest Service. (1.9621 R1A17 ch. 7)

SEEDING AS A MEANS OF REFORESTATION IN THE NORTHERN ROCKY MOUNTAIN REGION. USDA Circ. 772 (1 Ag84C 772)

FARM WOODLANDS IN THE CORN BELT REGION OF ILLINOIS. Central States Forest Exp. Sta., Columbus, Ohio. Techn. Paper 107 (1.9622 C3T222 107)

COMMON DISEASES OF IMPORTANT SHADE TREES. USDA Farmers Bull. 1987 (1 Ag84F)

COOPERATIVE GROWTH OF HYBRID POPLARS AND NATIVE NORTHERN BLACK COTTONWOODS. Pacific Northwest Forest Exp. Sta. Research Notes, no. 35 (1.9 F7629Fr 35)

FIRST FOREST SOIL SURVEY GIVES SIGNIFICANT RESULTS. Pacific Northwest Forest Exp. Sta. Research Notes, no. 36 (1.9 F7629Fr 36)

EFFECT OF PRUNING ON GROWTH OF PONDEROSA PINE. Pacific Northwest Forest Exp. Sta. Research Notes, no. 38 (1.9 F7629 Fr 38)

Soil Conservation Interests

WATERSHED MANAGEMENT FOR SUMMER FLOOD CONTROL IN UTAH. USDA Misc. Pub. 639. (1 Ag84M 639)

EFFECT OF AN EROSION CONTROL PROGRAM ON LABOR & POWER REQUIREMENTS. Minn. Agr. Exp. Sta. Bull. 396 (100 M66b 396)

SOIL SURVEY--SUMMARY STATEMENT OF RESEARCH STUDIES AND NEED. Prepared by Chief of Div. of Soil Survey, BPISAE, Apr. 1947. 15 p. (1.965 S6Su6) The statement comprehends all of the work conducted by the Division, the broad purposes of the work, the fundamental methods, interpretation of soil maps, areas mapped and to be mapped, adequacy, pressing needs, etc.

SOILS OF LEWIS AND CLARK COUNTY, MONT. Soil Reconnaissance. Mont. Agr. Exp. Sta. Bull. 445. July 1947. (100 M76B 445)

THE ECONOMIC EFFECT OF SOIL EROSION ON WHEAT YIELDS IN EASTERN OREGON. Ore. Exp. Sta. Circ. 157. 1943 (100 Or3C 157)

SOIL FERTILITY LEVEL AS IT INFLUENCES PLANT NUTRIENT COMPOSITION AND CONSUMPTION. (Ind. Agr. Exp. Sta. Bull. 468. 1942 (100 InCPb 468)

NATURE OF MOVEMENT OF SOIL BY ACTION OF WATER IN WATER EROSION, by J. H. Stallings, SCS. 7 p. (1.96 R31Nm)

SOIL AND MARKET CONSERVATION. Address by H. H. Bennett, Annual meeting of Farmers Union Grain Terminal Assn., St. Paul. (1.96 Ad62) Includes statements on amount of increase of income per acre for the country as a whole as a result of soil conservation; no. of acres still lost every year by erosion; etc.

AMMONIUM NITRATE FOR CROP PRODUCTION. USDA Circ. 771 (1 Ag84C 771)

General Farm Interests

- PROGRESS REPORT ON CHEMICALS FOR BRUSH CONTROL. Okla. Agr. Exp. Sta. in coop. with SCS. Mimeo Cir. M-172. Jan. 1948 (100 Ok4M 172)
- A NEW TECHNIQUE OF FIELD CROP LABOR ANALYSIS. Colo. Agr. Exp. Sta. Techn. Bull. 36 (100 C71st 36)
- OBSERVATIONS ON THE PERFORMANCE OF PACKAGE BEE COLONIES. Mich. Agr. Exp. Sta. Spec. Bull. 344. (100 M58Ss 344)
- SUMMARY OF EXTENSION SERVICE - BAE SEMINAR ON FARM MANAGEMENT. May 8, 1947. 22 p. (1.913 C3F223) The 3d such seminar. Meant to strengthen the relations between Extension and research and to develop more effective outlets for research findings. The primary objective of the farm management program is to increase the real income of farm families and raise their level of living through a better understanding of economic forces. Takes up the educational activities of the states along this line, and also the BAE and other agencies; and includes prepared statements of various persons about costs & returns, opportunities in cost reduction, making farm technology pay, etc.
- INSURED FARM MORTGAGES. USDA PA 34 (1 Ag84Pro 34)
- TREAT ALL SEED OF CEREAL GRAINS BEFORE PLANTING. Neb. Ext. Serv. E. C. 1807. (275.29 N272Ext 1807)
- GRAVITY TYPE SEED TREATER--How to Construct. Nebr. Ext. Serv. CC-94 (275.29 N272CC 94)
- SOFT GRIT VALUABLE FOR CLEANING MACHINE PARTS. USDA Research Achievement Sheet 87 (1.98 R31 87)
- YOUR FARMHOUSE: PLANNING THE BATHROOM. USDA Misc. Pub. 638 (1 Ag84M 638)
- GRAIN FEEDING CATTLE ON PASTURE. Wash. Agr. Exp. Sta. Bull. 483 (100 W27Eb 483)
- THE ROLE OF MINERALS IN THE DAIRY RATION. Mich. Agr. Exp. Sta. Circ. Bull. 207. (100 M58Scb 207)
- DAIRY BULL QUARTERS--Pen, Shelter, Breeding Chute. Colo. Ext. Serv. Circ. 152-A. (275.29 C71C 152)
- HANDBOOK ON INSECT ENEMIES OF FLOWERS AND SHRUBS. USDA Misc. Pub. 626 (1 Ag84M)
- INCOME-TAX RETURNS SUGGESTIONS TO FARMERS. Cornell Ext. Serv. Bull. 735 (275.29 N48E 735)

Crops, Etc.

- ALFALFA PRODUCTION. N. C. Ext. Serv. Circ. 307 (275.29 N811 307) (State if you would like packet of bulletin material on alfalfa growing)
- VICTORIA BLIGHT OF OATS: A Dangerous New Plant Disease. Ohio Agr. Exp. Sta. Circ. C-127 (100 Ok4C 127)
- VARIETIES OF PEAS TESTED AT LINCOLN, NEBRASKA, IN 1943, 1944, 1945. Nebr. Agr. Exp. Sta. Hort. Progress Report no. 9 (81 N272 no. 9)
- SWEET CORN VARIETY TRIALS. S. D. Agr. Exp. Sta. Progress Report 68 (100 So82H)
- WHEAT IN THE WORLD. Its History and Improvement. 20 p. Presented at Cosmos Club in Washington, by senior agronomist of BPISAE.
- TEXAS RESCUE 46 IS A BETTER STRAIN OF RESCUE GRASS. Tex. Agr. Exp. Sta. Progress Report 1094 (100 T31P 1094)
- THE USE OF FERTILIZER AND SUPPLEMENTAL MATERIALS IN THE PRODUCTION OF BERMUDA ONIONS. Tex. Agr. Exp. Sta. Progress Report 1096 (100 T31P 1096)

Miscellaneous

- SIMPLE PARLIAMENTARY PROCEDURE. Tex. Ext. Serv. Circ. 236 (275.29 T312C 236)
- ANNUAL AND SEASONAL PRECIPITATION AT SIX REPRESENTATIVE LOCATIONS IN MONTANA. Mont. Agr. Exp. Sta. Bull. 447 (100 M76B 447)
- RANGE MANAGEMENT AND SHEEP PRODUCTION IN THE BRIDGER MOUNTAINS, MONTANA. Mont. Agr. Exp. Sta. Bull. 444 (100 M76B 444)
- IS UTAH SAHARA BOUND? By Dr. Walter P. Cottam. (11th Annual Reynolds Lecture) Univ. of Utah Bull. v. 37, no. 11. 40 p. 1947 (279.085 C82) Attempts to reconstruct a picture of the vegetation of the state as the pioneers found it; to observe the changes in plant life, soil and water resources induced by the new human exploitation of the land; to view the effects of these changes on the past and present economy, and the implications for the future; and to consider remedial measures.
- THE DEVELOPMENT AND CONTROL OF THE MISSOURI RIVER. Corps of Army Engineers, Mo. River Division, Omaha. 23 p. Dec. 1947. Pictures, maps, text giving information on development of projects for control of floods, etc. (State if you wish packet of further material on the Missouri Basin and its problems, including pros and cons for an MVA, and the Minutes of the Missouri Basin Inter-Agency Committee)
- MINUTES OF THE MEETING OF LAND-GRANT COLLEGE DEPT. COMMITTEE ON TRAINING FOR GOVT. SERVICE, Feb. 6, 1948, Washington, D. C. 6 p. (249.39 L22M) Brings out the Federal problem of staffing programs in marketing research and of the colleges in finding interested students and directing them toward the opportunities in this field. Various recommendations.
- ANNUAL REPORT, WYOMING AGRICULTURAL EXPERIMENT STATION, 1946-47. (100 W99A 57th)
- FARM SCIENCE AND PRACTICE. 65th Annual Report, Ohio Agr. Exp. Sta., Dec. 1947. (100 Oh3Sb 673) Includes sections on silage, soil management, livestock feeding, poultry, farm crops, forestry, etc.
- REPORT OF THE ADMINISTRATOR OF AGRICULTURAL RESEARCH, 1947. 361 p. (1 Ag84) Includes the reports of the various Bureaus in that administration.
- NATURAL RESOURCE PROGRAMS. Annual Report of the Secretary of the Interior, 1947. 380 p. (156 An7) Includes reports of the various Divisions and Bureaus, as Bureau of Reclamation, Geological Survey, Office of Land Utilization, Bureau of Land Management, Fish and Wildlife Service, etc.
- THE BALANCE SHEET OF AGRICULTURE, 1947. USDA Misc. Pub.. 642. 74 p. (1 Ag84M)
- THE LAND PRICE SITUATION WITH SPECIAL REFERENCE TO TRENDS AND THEIR CAUSES, 1912-1947. Kans. Agr. Exp. Sta. Circ. 246 (100 K13Sc 246)
- U. S. Agricultural Policy. Talk by Nathan Koehnig, Exec. Asst. to the Sect. of Agr. before Allied Industry Outlook Conference of the Northeastern Poultry Producers Council, Philadelphia (1.91 A2K81)
- THE LONG-RANGE VIEWPOINT FOR LIVESTOCK, MEAT AND WOOL. Address by H. E. Reed, PMA, before the California Wool Growers Assn. (1.9422 L2R25)
- WHAT'S AHEAD FOR THE LIVESTOCK INDUSTRY? Address by C. A. Burmeister, PMA, before Okla. Livestock Conservation Clinic. (1.9423 F3B92)
- SHORT-RUN AND LONG-RUN ADJUSTMENTS IN THE RANCHING AREAS OF THE GREAT PLAINS. Address by M. M. Kelso, Montana State College, at Agricultural Outlook Conference, Washington, D. C. (1.941 A2Sh8)

NOTES

ASK YOUR REGIONAL OFFICE to supply you with AD-245 library request slips. If not your RO, then whatever center you get your other printed government forms from. These are a regular part of your office equipment and you should see that a pad of these is ready at hand when you read your monthly Library Newsletter.

GENERAL READING: Recently the Secretary of Agriculture recommended a selection of seven bulletins and pamphlets as reading material for the members of the State and County USDA Council groups in connection with their discussions of long range agricultural policy and programs. You too might like to review them. We can loan them as a packet. They are:

The World Talks over Its Food and Agricultural Problems

The International Trade Organization--How Will It Work?

Building a New World Economy

Proposals for Expansion of World Trade and Employment

What Peace Can Mean to American Farmers: Agricultural Policy

New Horizons for World Trade

What Peace Can Mean to American Farmers: Post-War Agriculture and Employment

Some PERIODICAL ARTICLES that you may have missed (now returned from regular circulation and ready for special loans):

Reduction of Ungrazed Mixed Prairie to Short Grass as a Result of Drought and Dust, by F. W. Albertson, Fort Hays Kansas State College, and J. E. Weaver, University of Nebraska. Ecological Monographs, Oct. 1946, p. 449-463.

Woodlands in Northwestern Nebraska, by W. L. Tolstead. Ecology, April 1947, p. 180-188.

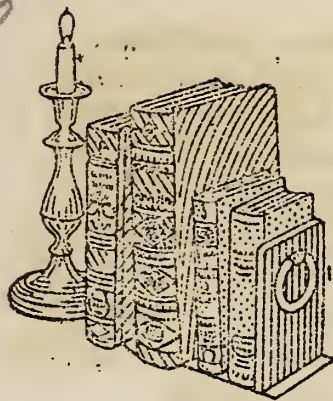
A Method of Measuring Vigor of Range Grasses, by J. E. Weaver and R. W. Darland. Ecology, April 1947, p. 146-162.

Natural Mulches of "Litter" of Grasslands: with Kinds and Amounts on a Southern Prairie, by E. J. Dykaterhuis and E. M. Schmutz. Ecology, April 1947, p. 163-179.

An Ecological Study of Two High Mountain Trout Lakes in the Wind River Range, Wyoming, by O. H. Robertson. Ecology, April 1947, p. 87-112.

The Kolkhoz (Collective Farm) in the Soviet Union: organizational structure; the state and the kolkhoz; procurements; seed and other reserves; distribution of income; incentive payments; labor and management; number and size of kolkhozy; present outlook. Foreign Agriculture, Nov./Dec. 1947, p. 146-159.

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LIBRARY NEWSLETTER

U. S. DEPARTMENT OF AGRICULTURE

LINCOLN BRANCH
RUDGE & GUENZEL BLDG.
LINCOLN 1, NEBRASKA

VOL. 7, No. 5

May 1948

NEW LIBRARY BOOKS

DOWN TO EARTH--the Pleasures & Perils of Becoming a Farmer. 106 p. 1947.

(31.3 H12) "Since you have picked up this book, the chances are that your attention was caught by the word 'Farmer' in the title. You are, then, in all probability, already playing with fire. The question is: Do you know it? If not, wake up and smell the smoke--before it is too late." The author decides though that the reader has already been told by other authors to stop and think twice, and in case he still has the determination to go on the farm, this book proposes to prepare him for the shock of realities. Chapter 1: Can You Spare a Fortune? "This one will hurt"...especially if you've been planning to start on a shoestring... To ward off disillusionment at the wrong end of the game he proceeds to give you the answers now--in words that are light and sometimes a little irreverent, but always practical. He talks fast and tells a lot--in 106 pages. In three or four pages you get the picture of what it will take to set you up on the farm; where to economize and where not to economize, the basic tools and machinery you will buy and the cost of the outfit. He not only says what you'll pay for a sheep now, but throws in the statement of what you would have paid several years back--just to show you. He tries to form the whole concept for you so you'll know where you're going. "In most sections of the country a \$5,000 farm, further capitalized with \$5,000 worth of stock and machinery, will produce an adequate family living to the operator-owner, if he is a reasonably good manager, and also pay 6 per cent credit interest on one-half the total investment." Mr. Hahnel is now a member of the research and editorial staff of the Doane Agricultural Service at St. Louis--but there was a time when he was not a farm expert and learned these things the hard way. Now again he sees the trend to plunge into rural life, and "what this tide will do to the farm structure, with one pillar in the quicksand and the other on the government's shoulders, is not even problematical..." (He does not forget to recommend the government experts as the men to ask for advice, men who have no ax to grind. But he warns that the government can't do it all... "The record of the Farm Security Administration, though the finest of any governmental human-conservation agency, is a record of 'too little and too late'--the government spreads it pretty thin...") Anyway, the book will set straight on his path the man who wants a hoe and it will point out the sign posts, and the danger signs, along R.F.D. Route Number One.

LAND ECONOMICS, by R. R. Renne. 725 p. 1947 (282 R29) Principles, problems, and policies in utilizing land resources. Dr. Renne is a recognized authority on land economics. Beginning with a section which provides the background and perspective necessary to the understanding and appreciation of land economics, the author discusses in detail the major land uses. He covers agricultural, forest, recreational and urban land, mineral and water resources and transportation. He then takes up the major land use problems: tenure and tenancy, valuation and credit, taxation, and the conservation of land resources. He analyzes policies and programs for solving these problems. Attention throughout is focused on the economics and social problems associated with land utilization.

FARM APPRAISAL--Classification and Valuation of Farm Land and Buildings, by Wm. G. Murray. 272 p. 2d edition revised, 1947 (282 M96 Ed. 2) The outline of this study follows the individual steps in actual appraisal procedure as the most effective way of presenting the principles of appraisal. The making of an inventory of physical resources on a farm is discussed first, and the translation of this inventory into dollar value second. For purposes of illustration, appraisals by the author of actual farms have been used at appropriate points throughout the book. Farm appraisal as a science and profession has made substantial progress since the book was first published in 1940, and this latest edition has some added chapters.

CLIMATOLOGY, by F. Haurwitz and J. M. Austin. 400 p. 1944 (340 H29C) The book serves not only as a textbook but will be useful for private study by readers who want a general survey of the field of climatology or who desire information about the climate of a definite region. The authors have stressed the physical causes of the climates and of the variations of the climatic elements in space and time. Since the book is written primarily for meteorologists, the description of the various climates is given in meteorological language, emphasis being placed on the interpretation in terms of dynamics of the atmospheres, of air mass types, and of frontal activity.

CONSTRUCTION DESIGN CHARTS FOR FIELD AND OFFICE ENGINEERS, by J. R. Griffith. 159 p. 1948 (290 G87) The demand for such a compilation in convenient form arose when these charts were appearing in Western Construction News. This collection of charts in a spiral binder is not of course complete as a designer's manual, but it is a start which future years may see amplified and rounded out. After a few pages on how a nomograph, or alignment chart, is constructed, the author presents 100 charts covering various problems such as concrete form design, airport runways, spans for form joists, earthwork, hydraulics, flow of water in pipes, roof truss stresses, depth of pole foundations, earth pressure against vertical walls, etc.

THE FERTILITY AND MANAGEMENT OF IRRIGATED SOILS, by D. W. Thorne and H. B. Peterson, Dept. of Agronomy, Utah State Agrl. College. Preliminary draft. 241 p. 1947 (56.7 T393) "Textbooks in soils have been written almost exclusively from the viewpoint of problems of humid regions. Books available in soil management and fertility largely ignore the problem of irrigation, soluble salts, alkali, calcium carbonate, and the principles that must be understood in handling these problems. For many years, classes in soils at Utah...have handled these problems by special reading assignments--consequently the preparation of this manuscript resulted largely from necessity in the training of students to meet the problems of irrigation agriculture. The presentation has been adopted for students who have had only elementary training in chemistry, physics and mathematics. Attention has been focused on those aspects of problems that are of primary concern in the application of science directly to the farm."

FOREST SOILS, by H. J. Lutz and R. F. Chandler. 485 p. 1946 (56.3 L97)

Emil Truog's review of this in the Journal of Agronomy says that professional foresters, ecologists, and soil scientists will find this work a valuable source of forest soils knowledge, but practical foresters, nursery managers, rangers and others confronted with local problems will find it difficult to assimilate and apply the information as presented. The book so far has already had a wide circulation among USDA men in the field. Recognizing that intensive study of American forest soils is only 15 to 20 years old, the authors have drawn on European findings to illustrate many aspects of the problem, with, however, the cautionary statement that specific application to American conditions may be dangerous. Factual data presented are in almost every case American. In no other book on the subject, says an extensive review in a recent issue of Ecology, can such a wealth of information be found.

A brief introduction outlining the differences between forest soils and agricultural soils is followed by several chapters on soil-forming minerals and rocks, and the processes by which soil is formed from them. Discussion of rock-weathering and soil formation due to physical factors of the environment is followed by chapters on forest soil fauna and flora, and the composition and development of forest humus from plant material. The reviewer, H. I. Baldwin, estimates this as the most important part of the whole book, and the section of especial significance to ecologists. The chapters on soil colloids and physical properties of forest soils gives the reader an introduction to some of the more technical aspects of soil science. Soil colloids comprise a realm into which foresters and ecologists have rarely ventured, but their role must be understood for a full appreciation of soil phenomena. The chapter on water relations indicates the dynamic character of water supply in soils. In many instances the authors report different criteria or methods for determining a given factor, and conclude that there is as yet no general agreement on methods. They have not hesitated to refer to the various approaches to each problem, but they emphasize the principles and significance of the various soil phenomena rather than recommend methods. Chemical properties of forest soils are critically analyzed in the same vein with a wealth of references on mineral requirements of forest trees, and their influence on growth. The final three chapters deal with soil formation, soil groups of the world and of the United States and various soil classifications. The concluding chapter on erosion and deterioration makes a fitting and striking summary of the importance of basic knowledge of forest soils for ecologists, foresters, and soil conservationists. Mr. Baldwin concludes that readers will find here a work in which they can have confidence, one which will give them an authoritative survey of a difficult subject, such as they can obtain nowhere else. The authors are both leaders in the field and have assembled their material in a scholarly and discriminating manner.

COMMERCIAL FERTILIZERS, THEIR SOURCES AND USE, by G. H. Collings. 522 p. 4th edition, 1947 (56.2 C69 Ed. 4) This 4th edition was made necessary by the many developments in the fertilizer industry during the war period. The general outline is the same as that of the 3d ed. The 18 chapters deal with the early history of the fertilizer industry, source and manufacture of all the important fertilizer materials, problem of minor elements, adjusting soil reaction and fertilizer practice to crop requirements, and principles underlying the purchase and use of fertilizers. A bibliography of some 700 references is appended. The book has grown in value with each new edition until it is now probably the best in its field, says a reviewer in Soil Science.

THE LAZY GARDENER, by Wm. C. Pryor. 220 p. 1947 (97 P95) Leisurely, gentle and amusing, yet packed with practical information, this little classic offers notes and suggestions for each month of the year, to be followed by the part-time gardener. It advises you on flowers--their seasons, colors, arrangement, and how to make them flourish bounteously on niggardly efforts. Here is information giving you short cuts to success with your lawn, in raising vegetables and herbs, landscaping, transplanting, and the multitude of other things that engross folk of the soil. For the statistic minded, Mr. Pryor has appended charts and lists telling everything you'll need to know about planting flowers and vegetables. There is also a seasonal planting map. Jesse Robinson's drawings decorate the book in the very spirit of lazy gardening.

BULLETINS AND PAMPHLETS RECENTLY RECEIVED

Drought, Rainfall, Etc.

A SCHEME FOR THE CONTROL OF DROUGHTS IN AUSTRALIA. Reprint from New South Wales Year Book, 1947. (Reprint File--Drought--Mayer)

THE EFFECT OF RANGES ON RAINFALL IN THE SOUTH-WEST WHEAT AREA (New South Wales) Reprint from N. S. W. Soil Conservation Service Journal.

THE 1945-46 DROUGHT IN THE NORTH-WEST (New South Wales). Reprint from the N. S. W. Year Book, 1947 (Reprint File--Drought--Farleigh)

A SUMMARY OF KNOWLEDGE OF THE SAND AND DUST STORMS OF FRENCH WEST AFRICA. Photoprint from the Bulletin of the American Meteorological Society, June 1943 (Reprint File--Hubert)

RAINFALL EXPERIMENTS. HEARINGS on H. R. 4582, a bill to direct the chief of the Weather Bureau to conduct experiments with respect to methods of controlling rainfall. March 18, 1948 (Hearings Shelf--Rainfall)

WEATHER PLANNING FOR FARMS. How Climatological Data and Special Forecast Services of U. S. Weather Bureau Can Be Used to Obtain More Certain and Efficient Production, by R. F. Dale. Capper's Farmer, Jan. 1948.

THE INFLUENCE OF RAINFALL ON THE PROSPERITY OF EASTERN MONTANA. Montana Stock-Grower, Dec. 15, 1947.

CLIMATIC MAPPING. A Report by the Australian Institute of Agricultural Science.

Transpiration of Grasses and Trees

TRANSPIRATION OF GRASSES in the Sour Mountain Grassveld of the Drakensberg in Comparison with the Water Loss of Indigenous Forests. (Photoprint from South African Journal of Science, Jan. 1943) (Reprint File--Transpiration)

TRANSPIRATION RATES OF SOME FOREST TREE SPECIES DURING THE DORMANT SEASON. Photoprint from Plant Physiology. (Reprint File--Transpiration)

Grass

HOW TO KNOW GRASS. SCS, Fort Worth. B. W. Allred. (1.9604 G7622)

CONSERVATION PLANNING AND GRASSLAND FARMING. SCS, Milwaukee. 71 p.

GRASS--Its Composition and Use. SCS, Fort Worth. B. W. Allred.

GRASSLAND CONSERVATION IN SOIL CONSERVATION DISTRICTS. SCS, Fort Worth. B. W. Allred (1.9604 G7622)

Soil Conservation Interests

- DESIGN OF AN OUTLET FOR BOX INLET DROP SPILLWAY. SCS-TP-63 (1.96 Ad6Tp 63)
- TOPOGRAPHIC CHARACTERISTICS OF DRAINAGE BASINS. Geol. Survey Water-Supply Paper 968-C (407 G29W 968-C)
- FLOODS IN COLORADO. Geol. Survey Water-Supply Paper 997 (407 G29W 997)
- THE PROBLEM OF THE PLAINS--to Find, Test and Use Land-Management Practices Best Adapted to Environment. Reprint from Hereford Journal, Jan. 1, 1948.
- SOUND USE OF RANCH LAND. Address by H. H. Bennett, El Paso, Dec. 1948 (1.96 Ad62 1947)
- CARBON-NITROGEN RATIOS OF GRASS MULCHES. SCS, Albuquerque. Regional Bull. 104. (1.9608 R26 104)
- RATES OF RUNOFF--in the Coastal Plains of New Jersey, Delaware, and Maryland. SCS-TP-60 (1.96 Ad6Tp 60)
- THE INFLUENCE OF HONEYBEES ON THE SOIL CONSERVATION PROGRAM. Address by H. H. Bennett, Federation of Beekeepers' Assns., Salt Lake City, Jan. 1948 (1.96 Ad62)
- A DEVICE FOR SAMPLING MATERIAL CARRIED BY SILT-BEARING STREAMS. Dept. of the Interior Inf. Circ. 7249. 1943 (156.61 C49) (State if you would like either a packet or a list of material on silt and sedimentation problems in general)
- SOIL SCIENCE SOCIETY OF AMERICA. PROCEEDINGS, v. 11, 1946 (56.9 So3 v. 11) Some of the papers:
- Symposium on "Transmission of water through soils in relation to irrigation and pond construction."
 - Soil profile characteristics in relation to drainage and level terraces.
 - The movement of water in soil columns and the theory of the control section.
 - Water impedance with Bentonite by the placement method.
 - Loessial soil in western Iowa as construction material for earth dams.
 - Model tests of a tile-spacing formula.
 - The mechanical analysis as an index to subsoil permeability.

Forestry Interests

- TABLES FOR APPROXIMATING VOLUME GROWTH OF INDIVIDUAL TREES. No. Rocky Mt. Forest & Range Exp. Sta., Missoula, Mont. Station Paper no. 11 (1.9622 N2St1 no. 11)
- PROTECTION OF RUSTIC FINISHES AGAINST MOLD ATTACKS. No. Rocky Mt. Forest & Range Exp. Sta., Missoula, Mont. Research Note no. 61 (1.9622 N3R31 no. 61)
- EFFECT OF BARK GROWTH IN MEASUREMENT OF PERIODIC GROWTH OF INDIVIDUAL TREES. No. Rocky Mt. Forest & Range Exp. Sta. Research Note no. 60 (1.9622 N3R31 no. 60)
- DATES AND PLACES OF POLLEN COLLECTION BY THE INSTITUTE OF FOREST GENETICS. Calif. Forest & Range Exp. Sta. Forest Research Notes, no. 54 (1.9 F7626R 54)
- GROWTH OF TEN REGIONAL RACES OF PONDEROSA PINE IN SIX PLANTATIONS. Pacific Northwest Forest Exp. Sta., Portland. Forest Research Notes, no. 39 (1.9 F7629Fr 39)
- HIGH YIELDS FROM YOUNG-GROWTH PONDEROSA PINE. Pacific Northwest Forest Exp. Sta. Forest Research Notes, no. 37 (1.9 F7629Fr 37)

General Farm Interests

- TECHNIQUE OF HOUSE NAILING. U. S. Housing and Home Finance Agency (1 F7692T)
- HOME-MADE HOG EQUIPMENT. Ind. Agr. Ext. Serv. Bull. 199 (275.29 In2E 199)
- COSTS AND LABOR USED IN HARVESTING HAY, 1945. Sept. 1947. Penn. Agr. Exp. Sta. Bull. 490 (100 P381 490)
- FATHER AND SON FARM BUSINESS AGREEMENTS. Penn. Agr. Exp. Sta. Bull. 492 (100 P381 492)
- EQUIPMENT DEVELOPED FOR SPRAYING INSECTICIDES FROM AIRCRAFT. USDA Research Achievement sheet 84 (1.98 R31.84)

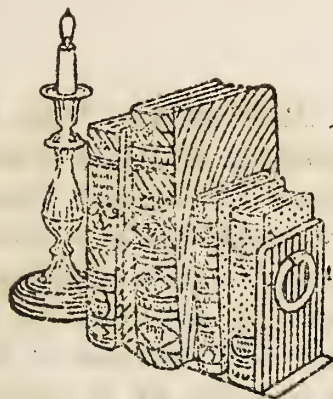
Miscellaneous

- A SUMMARY OF THE ACTIVITIES OF THE PRODUCTION AND MARKETING ADMINISTRATION. 6 p. Jan. 1948 (1.956 A2Su62)
- AGRICULTURAL ENGINEERING RESPONSIBILITIES AND OPPORTUNITIES UNDER THE RESEARCH AND MARKETING ACT. Address by E. A. Meyer, Feb. 1948 (1.9422 In2M57)
- BUREAU OF HUMAN NUTRITION AND HOME ECONOMICS--What It Is, What It Does. (1.982 A2B89)
- UTILIZING BUREAU OF AGRICULTURAL ECONOMICS INFORMATION IN FARMER TRAINING. Address by B. W. Allin, Chairman, Outlook and Situation Board, BAE. (1.94 Ad472)
- THE PREPARATION OF STATISTICAL TABLES--A HANDBOOK. BAE. 39 p. (1.941 A22P91)
- PUBLIC INFORMATION ACTIVITIES OF GOVERNMENT AGENCIES (Photoprint from Public Opinion Quarterly)
- THE WORLD FOOD SITUATION, 1948. OFAR. 59 p. (1.943 F7625)
- 1947-48 WORLD VIEW OF NUTRITION. BAE. 6 p. (1.982 A2St5 1947-48)
- NEEDED FARMING ADJUSTMENTS IN THE GREAT PLAINS. BAE. Address by Geo. Montgomery, Annual Agrl. Outlook Conf., Nov. 1947. 4 p. (1.941 A2N28)
- EDUCATIONAL EXHIBITS--How to Prepare and Use Them. USDA Misc. Pub. 634 (1 Ag84M)

NOTES

IF YOUR BOOK FALLS DUE BEFORE YOU HAVE FINISHED IT and it is one that is not renewable on account of reserves waiting--it will automatically be returned to you on a month loan at a later date when the waiting requests have been filled if you note for us on the date-due slip when returning the book: "PLEASE RETURN LATER."

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LIBRARY NEWSLETTER

U. S. DEPARTMENT OF AGRICULTURE

LINCOLN BRANCH
RUDGE & GUENZEL BLDG.
LINCOLN 1, NEBRASKA

VOL. 7, No. 6/7

June/July 1948

NEW LIBRARY BOOKS

AS YOU SOW, by Walter Goldschmidt. 288 p. 1947. (281.010 G57) Industrialized agriculture--characterized by intensive production, large investment, impersonal hiring, and complete commercialization--is rapidly growing throughout the nation and is bringing with it an urbanized rural society. The farm home as it used to be is fading out as it becomes affected by modern economic forces. Mr. Goldschmidt's book is a detailed study of three California communities describing the daily life of a rural population as it is so affected by these forces. It is an essay in social reform that strikes deep. It is well-organized, skilfully written and documented with scientific precision. In 1941 Mr. Goldschmidt was with BAE when he and his wife made a detailed comparison of two towns surrounded by farms, a study which resulted in a monograph published by the Senate Committee on Small Business, and which forms the basis for AS YOU SOW. He points out that policy makers should break away from stereotyped thinking in regard to the American farmer and urges recognition of the actual structure of the agricultural economy and legislation that will correct inequalities now existing. Specifically he proposes a minimum wage for farm laborers, extension of the Social Security Act to the farm labor force, establishment of collective bargaining machinery for farm laborers, an education system (patterned after the Agricultural Extension Service) for farm laborers and their families, a shift in emphasis in the farm placement service and a housing program that will meet the workers' needs. "It would be a great mistake to regard this book as bearing only on the California scene, for its implications are nation-wide."

THE TECHNIQUE OF GETTING THINGS DONE, by Donald A. Laird. 310 p. 1947. (140 L14Tec). "Tis not enough to work diligently. We must work at the right things and in the right direction, keep on the main roads and off the detours." Many who appear to be stalled are not in a rut, just on a detour. Big firms can hire experts to simplify and keep them off detours; the individual has to be his own detour detector... Knowing a mighty good way to do a thing that doesn't need to be done--will still waste your energy. Mr. and Mrs. Laird present here the proven success secrets of more than 300 men and women who have made themselves famous--the keys to straight-ahead accomplishment. An interesting book.

THE EXECUTIVE IN ACTION, by Marshall Dimock. 276 p. 1945 (249 D59) "The manner in which you and I run things in the future will determine whether democracy can remain responsive to the public will and yet become efficient enough to survive in an increasingly complex society", says Mr. Dimock in his preface. His book is challenging and inspirational; at the same time it is a book you can read with speed and profit. The author gives us a running account of what executives encounter and how they overcome their obstacles. It is not a text book, but rather a personal account of what goes into the making of a successful executive. He combines an interesting and unusual work experience with an organizational philosophy that only comes from a rare blend of administrative talents and human understanding. He believes that an organization has life and vitality only when all of its employees are infused with the desire to increase effectiveness and productivity. He develops a limited and specific series of questions, such as: What does the executive do? For what should he be on the lookout? How can he guide his energies into useful rather than wasteful channels? How can we live together, simply and effectively, in a complex society so as to get things done more efficiently and at the same time increase the satisfactions and the happiness of us all?

FARM BUILDINGS, by John C. Wooley. 354 p. 1946 (296 W88) The subject matter is arranged to give a logical, progressive approach, introducing prerequisite information as it is needed in planning the various buildings in the farming industry. The problem may be one of fitting buildings to a farm, of determining the value of existing buildings, of planning new buildings, of replanning and repairing old buildings, of modernizing the home, or of arranging a building group. Whatever the problem, some suggestions will be found that will be of help in its solution. The book is a development of class and lecture notes used by the author in his classes at the University of Missouri. Illustrated with drawings and photographs.

AMERICAN HONEY PLANTS--together with those which are of special value to the beekeeper as sources of pollen. By Frank C. Pellett. 452 p. 4th edition, 1947. (424 P36A) The author considers, in alphabetical order, the American honey plants, giving for each a brief description, where it grows, its value as a source of honey and pollen. The honey sources of each state are also considered. An attractive book, well illustrated.

AMERICA'S NEEDS AND RESOURCES. A Twentieth Century Fund Survey which includes estimates for 1950 and 1960. By J. Frederic Dewhurst and associates. 787 p. 1947 (280.12 D512) Mr. Dewhurst and his associates have carried through an ambitious project in this survey: they have taken the measure, so to speak, of our entire economy in all its many fields. Their approach has been dynamic. They have taken, not a static, single measurement as of a certain year, but a series of them--to give a moving picture of accomplishments and probabilities. They have worked out estimates of what each field of our economy will measure up to in 1950 and 1960. For instance, 57 million persons at work in 1950 working on the average of 40.8 hours a week, and 60.2 million in 1960 working 37.7 hours a week. Technological developments will require new equipment and will provide opportunities for capital expansion and increased employment. The same is true of war time developments in transportation and communication, television, jet propulsion, larger and faster planes, extensive terminal landing fields, oxidation of coal and petroleum, biochemical processes and new applications of atomic energy. "No person who wants to get a measure of this nation's activities, achievements and prospects can afford to be without this book with its dynamic statistical review covering a retrospect of nearly a century, a

comprehensive review of the present and a careful conservative estimate of the coming decade of 1950. It is the strongest antidote to the technocratic and communist-inspired prophets of the impending collapse of our system of free enterprise", says N. I. Stone in his review contained in Advanced Management. Includes many graphs and tables.

RECONSTRUCTION AND THE HOME, by Howard Robertson. 1947 (296 R542) An attractive little book of 82 pages, including the main aspects of domestic design and equipment, which are present alike in the worker's dwelling, the suburban villa, the urban flat, and the country house. The war has provided a time for taking stock, and now is the time, says the author, for preparation to rebuild and refurnish in a better if perforce in a simpler way than before. There are illustrations of cupboards and fittings, finishes for walls and floors, kitchens, bathrooms, etc.

DESERTS ON THE MARCH, by Paul B. Sears. 178 p. 1947 edition (277.12 Sel) Few books have done so much to bring to the attention of the American people the terrible results to our economy and civilization of the shameful waste of our natural resources and of the even more appalling results which lie ahead of us if the nation does not change its course. This new edition has revisions and an added chapter.

RAISING TURKEYS, DUCKS, GEESE, GAME BIRDS, by Morley A. Jull. 467 p. 1947. (47 J94R) The book is a companion to Successful Poultry Management, and is intended primarily for the use of vocational agriculture students--useful to anyone specializing in raising any of the various kinds of birds mentioned above.

THE FOUNDATIONS OF CONSERVATION EDUCATION. National Wildlife Federation. Education in Conservation Pamphlet no.3. 242 p. 1941 (279 N215F) Many teachers have emphasized the need of a clear presentation of the principles of Conservation and the Committee undertook to provide such a publication. Various writers have prepared these articles independently without any information except the topic assigned them or that they had selected.

DDT--KILLER OF KILLERS, by O. T. Zimmerman and Irvin Lavine. 170 p. 1946. (423 Z62) Here in one small volume is contained the story of this modern "miracle insecticide": first, briefly, the story of insect enemies, more destructive than wars, against which man has had to do battle through the long centuries; next, the discovery of DDT, and how it affects various objects with which it comes into contact; the different DDT formulations, and how to select the one best suited to your particular purpose; DDT and the balance of Nature. The authors conclude: "DDT is a marvelous insecticide, but tougher species of insect killers will have to be developed if we are to prevent insects from inheriting the earth."

THE CO-OPERATIVE CHALLENGE, by Bertram B. Fowler. 265 p. 1947 (280.2 F82C) The story of the sensational growth of the consumer co-operative movement. Its importance, says Fred Smith in the Saturday Review of Literature, lies in the fact that it is the first comprehensive record of the present status of the co-operative movement in these highly capitalistic United States. And the record is a slightly staggering one. Their established pattern of growth and expansion is such that American industry had better make up its mind whether to retool its processes and techniques to accommodate the cooperative movement, or immediately gird its loins and prepare to do battle. If Mr. Fowler's facts are

right, the economic system which the NAM describes as "the American way of life" may soon be seriously challenged. Every alert businessman knows about the vast farm cooperatives of the Middle West. They didn't, however, realize how large they are. Nor do they know that the farm cooperatives originally started in the rural areas of Indiana and Ohio and have now become all-inclusive consumer cooperatives, owning mills, insurance companies, refineries, dairies, supermarkets, filling stations, and virtually everything else involved in the economic life of the average American citizen. Moreover, these are not small, badly managed, inconsequential properties; they are vast networks of highly profitable, valuable units. The cooperatives are Big Business. Mr. Fowler tells how all this started. Although he gives no indication of what the American businessman ought to do about it, he does believe that the cooperative system is pretty much the answer to most of the evils that beset the universe.

BULLETINS AND PAMPHLETS RECENTLY RECEIVED

Forestry Interests

SCHOOLS GIVING COURSES LEADING TO A DEGREE IN FORESTRY. Revised 1948. U. S. Forest Service (1.9 F76Sch)

MATERIALS TO HELP TEACH FOREST CONSERVATION. U. S. Forest Service. K-28. (1.962 A2M41) A list of bulletins, etc.

GLOSSARY OF TERMS (Logging). Northeastern Loggers' Handbook, by Fred C. Simmons. (1.9622 N2N81 pt. 18)

ALL WEATHER ROADS. Northeastern Loggers' Handbook, pt. 17 (1.9622 N2N81 pt. 17)

ESTIMATING TREE HEIGHTS FROM SHADOWS ON VERTICAL AERIAL PHOTOGRAPHS. Northeastern Forest Exp. Sta. Station Paper no. 12 (1.9622 N2St22 12)

PINUS: PROPAGATION OF EXPERIMENTAL STOCK. Calif. Forest and Range Exp. Sta. Forest Research Notes no. 56 (1.9 F7626R 56)

SOME PRINCIPLES OF VISIBILITY AND THEIR APPLICATION TO FOREST FIRE DETECTION. USDA Technical Bull. 954 (1 Ag84Te 954)

Soil Conservation Interests

OPPORTUNITY FOR SERVICE IN SOIL CONSERVATION. Address by H. H. Bennett before Federated Garden Clubs of New York State, March 1948 (1.96 Ad62)

ECONOMICS OF SOIL AND WATER CONSERVATION: EFFECTS OF PRACTICES FOLLOWED ON FARMS IN SELECTED ILLINOIS AREAS, by E. L. Sauer. An abstract of a thesis. (281.025 Sa3)

SOIL FERTILITY PRACTICES. Neb. Agr. Ext. Serv. Circ. 175. 24 p. (275.29 N272Ex 175) Includes use of commercial fertilizers for the various crops; selecting the fertilizer--State fertilizer law, care of machinery, comparative values of fertilizers, etc.

RAPID CHEMICAL TESTS ON SOILS AND PLANTS AS AIDS IN DETERMINING FERTILIZER NEEDS. (100 In2Pc 204)

RESEARCH SUMMARIES, pt. VII. By J. H. Stallings, SCS, Feb. 1948. 88 p. Abstracts bringing together the useful information developed by the SCS and its cooperating agencies.

General Farm Interests

- DISK PLOWS AND THEIR OPERATION. USDA Farmers Bull. 1992 (1 Ag84F 1992)
- RAT CONTROL METHODS. USDA and Fish and Wildlife Service. PA-41 (1 Ag84Pro 41)
- POTATOES FOR LIVESTOCK FEED. PMA. 33 p. (1.956 F94P84) Summary of the research completed by State exp. stations, colleges of agriculture, and others. A handy reference to the results of feeding tests in various parts of the country, with different classes of livestock and with varied rations for each class.
- CROSSBREEDING FOR THE PRODUCTION OF MARKET HOGS. Ohio Exp. Sta. Bull. 675 (100 Oh3S 675)
- INFECTIONS OF FETUSES AND FOALS. Ky. Exp. Sta. Bull. 509 (100 K41B 509)
- QUESTIONS AND ANSWERS ABOUT COOPERATIVE ARTIFICIAL BREEDING. Conn. Agr. Ext. Serv. Folder 16 (275.29 C76E 16)
- BREEDING EFFICIENCY IN DAIRY CATTLE FROM ARTIFICIAL INSEMINATION AT VARIOUS INTERVALS BEFORE AND AFTER OVULATION. Neb. Exp. Sta. Research Bull. 153 (100 N27R)
- THE USE AND COSTS OF TRACTOR POWER ON SMALL FARMS (in South Carolina) S. C. Exp. Sta. Bull. 368. 1947 (100 So8B 368)
- THE NEBRASKA TRACTOR TESTS, 1920-1947. Nebr. Exp. Sta. Bull. 388 (100 N27B 388)
Summarizes the results of the tests and includes data on all tractors reported by their manufacturers as on the market Jan. 1, 1948. Belt tests, drawbar tests, horsepower, etc.
- GROWING DRY BEANS IN THE WESTERN STATES. USDA Farmers Bull. 1996 (1 Ag84F 1996)
- LIVESTOCK PRODUCTION COSTS ON 40 INDIANA FARMS. Ind. Exp. Sta. Circ. 334. 1948. (100 In2Pc 334)
- METHODS OF KILLING TREES, SPROUTS, AND BRUSH. Oregon Agr. Ext. Serv. Circ. 507. (275.29 Or32C 507)
- WHY NOT BUILD YOUR OWN SEED GRAIN TREATER? Wis. Agr. Ext. Serv. Stencil Circ. 267 (275.29 W75B 267)
- PRODUCING HIGH CORN YIELDS. Neb. Agr. Ext. Serv. Circ. 114, rev. (275.29 N272Ex 114)
- CONSIDERATIONS IN BUILDING LOW PRESSURE SPRAYING EQUIPMENT FOR WEED CONTROL SPRAYS. Wis. Agr. Exp. Sta. Stencil Bull. 2a (100 W75S 2a)
- CONSIDERATIONS IN BUYING LOW PRESSURE SPRAYING EQUIPMENT FOR WEED CONTROL SPRAYS. Wis. Agr. Exp. Sta. Stencil Bull. 2b (100 W75S 2b)
- SPRAY EQUIPMENT FOR WEED CONTROL. Neb. Agr. Ext. Serv. Circ. 1174 (275.29 N272Ex 174) Includes ground-rig sprayers, airplane sprayers, calibration table, re-converting high-volume equipment, etc.
- CHEMICAL WEED CONTROL IN NEBRASKA. Neb. Agr. Ext. Serv. E. C. 179 (275.29 N272Ex)
- CHEMICAL CONTROL OF WEEDS IN OKLAHOMA FOR 1948. Okla. Agr. Exp. Sta. Circ. 128. (100 Ok4C 128)
- CONTROL OF BINDWEED BY THE USE OF 2,4-D and cultural methods. N. M. Agr. Exp. Sta. Press Bull. 1021. March 1948 (100 N465 1021)
- REPAIRING MACHINERY COOPERATIVELY IN INDIANA, by J. Warren Mather. Farm Credit Adm. Miscel. Report 112. 62 p. (166.3 M68 112)

THE AGRICULTURAL RESEARCH AND MARKETING ACT OF 1946. A consideration of basic objectives and procedures. Agriculture Committee on National Policy of the National Planning Association.

THE MARKET NEWS SERVICE ON FRUITS AND VEGETABLES--Its History & Operation.
PMA (1.956 A2M34)

PERIODIC MARKET REPORTS OF THE PRODUCTION AND MARKETING ADMINISTRATION (1.9422 A8R293) Lists the various news offices and the regular reports they make, daily, weekly, monthly, annually.

REPORT OF SURVEY OF MARKETING AND RELATED ACTIVITIES IN THE U. S. DEPT. OF AGRICULTURE, with particular reference to administration of the Research and Marketing Act of 1946. 178 p. General concept classifies marketing activities in terms of: major phases in the marketing process; commodities affected; and nature of Government marketing programs.

A FRUIT AND VEGETABLE BUYING GUIDE FOR CONSUMERS. USDA Miscel. Pub. 167 (1 Ag84M) For each fruit or vegetable there is a paragraph description of quality and how such may be judged. Also a table of shipping seasons for each state, etc.

AGRICULTURAL GEOGRAPHY OF THE PHILIPPINE ISLANDS. USDA Office of Foreign Agrl. Relations (1.943 Ag83) Includes maps, charts, and tables.

PERSONNEL ADMINISTRATION DEVELOPMENT IN THE UNITED STATES DEPARTMENT OF AGRICULTURE; THE FIRST FIFTY YEARS, by W. W. Stockberger. 216 p. 1947 (1.917 A2P436)

STRENGTHENING THE FAMILY FARM. A Report on Activities of the Farmers Home Administration, 1946/47 (1 Ag84 FHA 1946/47)

HOW FAMILIES USE THEIR INCOMES. USDA Miscel. Pub. 653. 64 p. (1 Ag84M 653)

Grasses, Crops, Etc.

SHALL WE GROW HUBAM SWEETCLOVER? Nebr. Agr. Ext. Serv. E. C. 178 (275.29 N272Ex 178)

GROWING AND HARVESTING THE SWEETCLOVER SEED CROP. Nebr. Agr. Exp. Sta. Bull. 387. 47 p. (100 N27B 387)

WHAT OATS SHALL I GROW? Neb. Agr. Ext. Serv. E. C. 177 (275.29 N272Ex 177)

PRODUCING HYBRID SEED CORN IN NEBRASKA. Nebr. Ext. E. C. 181 (275.29 N272Ex)

VARIETIES OF OATS FOR WYOMING. Wyo. Agr. Exp. Sta. Bull. 284 (100 W99B 284)

WHEAT VARIETIES FOR WYOMING. Wyo. Agr. Exp. Sta. Bull. 282 (100 W99B 282)

BARLEY VARIETIES FOR WYOMING. Wyo. Agr. Exp. Sta. Bull. 283 (100 W99B 283)

THE PLACE OF CRESTED WHEATGRASS ON WHEAT FARMS. Ore. Agr. Exp. Sta. Bull. 448. (100 Or3B 448)

THE ALFALFA AND RED CLOVER SEED SITUATION. Wis. Agr. Ext. Serv. Stencil Circ. 270 (275.29 W75B 270)

CHEMICAL COMPOSITION OF PASTURE PLANTS, with Some Reference to the Dietary Needs of Grazing Animals. Penn. Agr. Exp. Sta. Bull. 489 (100 P381 489)

1947 CORN PERFORMANCE TESTS, SOUTH DAKOTA. S. D. Agr. Exp. Sta. Circ. 71. March 1948 (100 S682C 71)

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LIBRARY NEWSLETTER

U. S. DEPARTMENT OF AGRICULTURE

LINCOLN BRANCH
RUDGE & GUENZEL BLDG.

VOL. 7, No. 8

August 1948

NEW LIBRARY BOOKS

THE FURROW AND US, by W. T. Jack. 158 p. 1946 (56.7 J122) The answer to Plowman's Folly. Man started with surface tillage for crop production, but abandoned it for the mold board plow. The book is a thesis on soil and plant behavior and a recital of the practical and scientific reasons for making quick return to the earth of all residues.

CATO THE CENSOR ON FARMING. 146 p. (30.8 C29C) It is not entirely easy to find materials prior to the eighteenth century that smell of the soil and are at the same time of a character in reasonably brief compass to throw light on conditions of life in the country. It is this quality in Cato's work that makes it so attractive. Mr. Brehaut, the translator, now adds the first complete modern translation into English of Cato's work. It is a practical book--a handbook upon vine and olive-culture; it supplies too model contracts between owner and harvester, tells how the slaves should be managed and what they should be fed, dictates the religious ceremonies necessary both for pious conduct and for a goodly yield, and even offers remedies for various ills. "As a picture of rural life in the old Roman Republic, Cato the Censor on farming has surpassing merit."

LAND FOR THE FAMILY--A Guide to Country Living. By A. F. Gustafson and others. 501 p. 1947 (31.3 G97) A practical guide to country living, providing helpful information for people of moderate means who are planning to live in the country, or for those who already live on the land and wish to produce some of their own fruit and vegetables or to farm on a part-time basis. Selection of a desirable community, management of the soil, and the fertilization and cultivation of crops are discussed. Development of ponds and woodland for wildlife, and the management of woodland for forest products are taken up. Five chapters are devoted to horticultural crops, including vegetables, fruits, flowers, ornamentals, and the lawn; varieties best adapted to various localities and those best suited to different home uses are stressed, as are the economical production and methods of storage of fruits and vegetables. Breeds of poultry best adapted to small-scale egg and meat production, and the better breeds of cattle and other livestock, together with their care and management are described in detail.

GRASS--THE YEAR BOOK OF AGRICULTURE, 1948. USDA. 892 p. (1 AG84Y 1948) Here is an attractive book, both as to subject, treatment, and format--including the lovely pictures in full color. James Birchfield says of it in a recent issue of a Washington newspaper: "The Agriculture Department's 1948 yearbook 'Grass', has kept me away from many important chores on my 40 acres this last week... It is on a subject very important to me, and, incidentally, to every livestock farmer. In its pages I find the answers to almost every problem that has been troubling me in turning my weed fields into luxuriant pastures for my future dairy herd. The book treats grass by regions, so there is little difficulty for a farmer to find just what he wants, whether he lives in Kansas, California or Vermont. I find one of the handiest sections to be the tables in the back which give suggested pasture and hay mixtures, fertilizer recommendations and cultural methods. These tables form a handbook on the agronomy of grass that I predict will be well thumbed by good American farmers. I should like, also to recommend the chapters on soils prepared by Dr. Charles E. Kellogg and James Thorp..." The men and the women who wrote this book are agronomists, economists, farmers, teachers, military men, students of nutrition, husbandmen, foresters, entomologists, agrostologists, engineers, workers in conservation, and ecologists, several of them from our region, and they represent all sections of the United States and many points of view. They agree that grassland agriculture is the most important single element in American farming today. The four parts of the book progress from the general aspects of the subject to the more specific--an examination of grass as it applies to people anywhere, the emphasis being on livestock and soils and conservation; a study of grass as it is used in the regions of the U. S., the emphasis being on varieties and uses; the third part a handbook that considers the nature and identification of the most important and most useful grasses, legumes, and associated plants; then the section of tables, charts, lists of plant names, etc.

BULLETINS AND PAMPHLETS RECENTLY RECEIVED

Forestry Interests

SEEDING SOUTHERN IDAHO RANGE LANDS BY AIRPLANE. U. S. Forest Service, Ogden, Utah. Research Paper no. 16, Apr. 1948 (1.9622 12R31 16)

FOREST RESOURCE STATISTICS FOR CASCADE COUNTY, MONTANA. Northern Rocky Mountain Forest & Range Exp. Sta., Missoula. Station Paper no. 12. Apr. 1948. 22 p. (1.9622 N3St1 12)

REHABILITATION OF AREAS STRIPPED FOR COAL. Central States Forest Exp. Sta., Columbus, Ohio. Technical Paper no. 108 (1.9622 C3T222 no. 108)

AN ECONOMIC ANALYSIS OF PUBLIC GRAZING PROBLEMS IN CENTRAL UTAH. Intermountain Forest and Range Exp. Sta., Ogden. Research Paper no. 15 (1.9622 12R31 15)

THE WELL-KEPT FARM WOODS--A TEACHING OUTLINE, Primarily for Instructing Veterans, Vocational Agriculture Students, and 4-H Club Members in the Management of the Small Forest. U. S. Forest Service, Jan. 1948 (1.962 A2W452)

LUMBER GRADES VS SITE QUALITY OF SECOND-GROWTH DOUGLAS-FIR. Forest Products Lab. R 1688 (1.9 F761R No. 1688)

COMPOSITION AND STOCKING OF THE YOUNG STAND 35 YEARS AFTER A SELECTIVE CUTTING IN PONDEROSA PINE. Northern Rocky Mountain Forest and Range Exp. Sta., Missoula. Research Note no. 63. (1.9622 N3R31 63)

Soil Conservation Interests

STUBBLE-MULCH FARMING. USDA Farmers Bulletin 1997 (1 Ag84F 1997)

DAMAGES RESULTING FROM UNCONTROLLED RUNOFF AND SILT MOVEMENT. SCS (1.96 Ad6Br 1947)

EXPLANATION AND INTERPRETATION OF ANALYSES OF IRRIGATION WATERS. USDA Circ. 784 (1 AG84C 784)

PHYSICAL LAND CONDITIONS AFFECTING USE, CONSERVATION, AND MANAGEMENT OF LAND RESOURCES, ANDERSON COUNTY, KANSAS. SCS and Kans. Agr. Exp. Sta. (1.96 L22Phg)

WATER INPUT USED FOR FIELD CROPS AT THE UNITED STATES SCOTTS BLUFF (NEBR.) FIELD STATION, 1941-1944. USDA Circ. 777. July 1948 (1 AG84C 777) The major objective for the 4-year period was to find out how much irrigation water supplemental to the natural rainfall it was necessary to apply to insure the crops an adequate supply of moisture. In planning for the full utilization of irrigation water, precise information was sought as to how much should be allocated to any given area to insure it against drought injury, rather than attempting to find whether different regimens of irrigation would result in differences in crop yield.

Bees and Honey Production

A MANUAL FOR THE ARTIFICIAL INSEMINATION OF QUEEN BEES. E&PQ ET-250 (1.9 En83Et)
HONEYBEE LOSSES AS RELATED TO CROP DUSTING WITH ARSENICALS. Ariz. Exp. Sta. Techn. Bull. 114 (100 Ar4T 114)

BEES AND THE NEWER INSECTICIDES. Utah Ext. Serv. Mimeogr. Series 738 (275.29 Utlms 738)

INSECTICIDES, BEES AND ALFALFA SEED. Utah Ext. Serv. Mimeogr. Series 740 (275.29 Utlms 740)

AVOID BEE POISONING DURING ALFALFA SEED PRODUCTION. Utah Ext. Serv. Mimeogr. Series 341 (100 Utlms 341)

HONEY AND BEESWAX PRODUCTION, 1947. BAE (1.941 H8H75 1947)

HOME ECONOMICS

THE OUTLOOK FOR NUTRITION IN THE UNITED STATES. BAE (1.982 E2P55)

GOOD FLOOR FINISHES FOR THE HOME. Wis. Ext. Serv. Sten. Circ. 269 (275.29 W75B)

SELECTION OF FLOOR COVERINGS. N. C. Ext. Serv. Misc. Pam. 111 (275.29 N811M)

SEWING MACHINE ATTACHMENTS. N. C. Ext. Serv. Misc. Pam. 107 (275.29 N811M)

Patterns for KITCHEN CABINETS. ORE. EXP. STA. Bull. 446. (100 Or3B 446)

FLOOR PLAN FOR YOUR KITCHEN. Ohio Ext. Serv. Bull. 279. (275.29 Oh32 279)

HOW TO CHOOSE AND USE YOUR WASHING MACHINE. USDA Ais 73 (1 Ag84Ai 73)

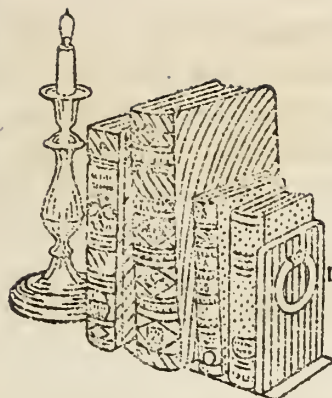
HANDMADE RUGS. Mich. Ext. Serv. Bull. 289 (279.29 M58B 289)

General Farm Interests

- NUTRITIVE REQUIREMENTS AND FEED FORMULAS FOR CHICKENS. USDA Circ. 788 (1 AG84C)
- RATIONS FOR GROWING LEGHORN BROILERS. Nebr. Exp. Sta. Bull. 386 (100 N27B 386)
- ANGORA RABBIT WOOL PRODUCTION. USDA Circ. 785 (1 AG84C 785)
- YOUR FARMHOUSE--INSULATION AND WEATHERPROOFING. USDA Miscel. Pub. 633 (1 AG84M)
- WHEN YOU BUILD OR REMODEL YOUR FARMHOUSE--A Guide to Planning. Ill. Ext. Serv. Circ. 620 (275.29IL62C 620)
- DECAY AND TERMITE DAMAGE IN HOUSES. USDA Farmers Bull. 1993 (1 AG84F 1993)
- LIST OF COMMERCIAL AIRPLANE DUSTING AND SPRAYING COMPANIES. E&PQ (1.967 A2L693)
- COMPARATIVE EFFICIENCY OF SILOING, BARN CURING, AND FIELD CURING FORAGE CROPS. Agr. Research Adm. BDIM-Inf-43 (1.973 D4B34 no. 43)
- AN IMPROVED AEROSOL NOZZLE FOR USE ON ENGINE EXHAUSTS. E&PQ ET-251 (1.9 En83Et 251)
- COMPOSITION OF HOG CARCASSES AS INFLUENCED BY HERITABLE DIFFERENCES IN RATE AND ECONOMY OF GAIN. Iowa Exp. Sta. Research Bull. 354 (100 Io9R 354)
- A REVIEW OF DDT FORMULATIONS. E&PQ E-742 (1.9 En83 742)

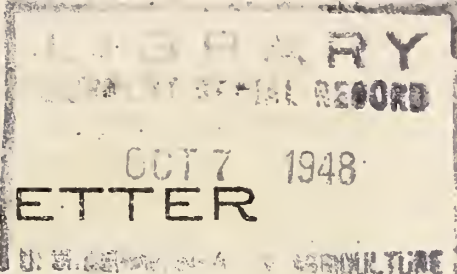
Miscellaneous

- PUBLISHED INFORMATION ON AGRICULTURE IN FOREIGN COUNTRIES. List of such publications issued by USDA Off. of Foreign Agrl. Relations. Jan. 1937-Dec. 1947. (1.943 In3)
- FOOD AND AGRICULTURAL DATA FOR SELECTED FAR EAST COUNTRIES. USDA Off. of Foreign Agrl. Relations. Nov. 1947 (1.943 F734) A 46 page report showing the latest information available at the time. In addition to a summary for the area as a whole, a statement has been prepared for the countries and tables are attached giving data on production and trade, together with prewar averages for comparison.
- FARMERS' COOPERATIVES IN OUR COMMUNITY. Farm Credit Adm. Misc. Rept. 118. (166.3 M68 118) Prepared especially for young farmers and those now in school who plan to some day own and operate a farm. A description of the way in which farmers' cooperatives have developed in a typical rural community.
- REPORT ON THE AGRICULTURAL EXPERIMENT STATIONS, 1948. 121 p. Prepared by the USDA Office of Experiment Stations, Jan. 1948 (1 EX6 1947)
- THE FARM REAL ESTATE SITUATION, 1946-47. USDA Circ. 780. March 1948. (1 AG84C)
- GUIDE TO BROADER UNDERSTANDING AND BETTER PUBLIC SERVICE FOR USDA EMPLOYEES. (1.90 A2G94) Each page shows at a glance by chart or outline or cartoon the chief significance or function your office or agency.
- LET'S FACE THE FACTS. Talk by Secretary Anderson at the 34th annual meeting of the New Mexico Cattle Growers Association, Albuquerque, March 1948. 18 p. (1.91 A2An2)
- FISCAL AND MONETARY POLICIES OF THE GOVERNMENT IN RELATION TO THE ECONOMIC OUTLOOK. Report of an address by George B. Roberts, Vice president of National City Bank of New York, at 25th Annual Agricultural Outlook Conference, Nov. 1947 (1.941 A2F52)



LIBRARY NEWSLETTER

U. S. DEPARTMENT OF AGRICULTURE



LINCOLN BRANCH
RUDGE & GUENZEL BLDG.

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September 1948

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NEW BOOKS IN YOUR BRANCH LIBRARY

AGRONOMY, PRINCIPLES AND PRACTICES, by L.F. Graber and H.L. Ahlgren. 151 p. Dubuque Iowa, 1948. 452.8 G76 1948

This book has been revised to meet the greater use of the immediate post war period. The authors have endeavored to present a general survey of the field of plant science in which they have tried to visualize some of the many applications of plant morphology, physiology, nutrition, pathology, genetics and ecology to farm practice. The book is an introduction and so combines the elements of botany with applications in the field of agronomy. The first two chapters are on agriculture and environment. Chapter 5 is concerned with the soil and its management. The last three chapters are on corn and small grains.

BETTER FARM ACCOUNTING, by H.B. Howell. 40 p. Ames, Iowa, 1947. 30.61 H83 Ed. 2

This is a practical guide by Iowa State College farm management specialists. It is thumb-indexed for easy reference and has a separate depreciation schedule for continuous use. If carefully followed, this account book will give (1) a simple net income statement, (2) show financial progress during the year and (3) give an analysis of your business, to help you determine the weak and strong points in your farm operations.

CORN COUNTRY, by Homer Croy. 325 p. Duell, Sloan & Pearce, 1947. 138 C88

This is a chronicle that goes back to the county-seat wars, the grasshopper plagues, and the plow that broke the plains. But it comes right up-to-date, too, with its talk of farmers' radio stations, Henry Wallace's research into hybrid corn, and an account of what John L. Lewis's home town thinks of him. The author tells of the founding of the 4-H clubs, and of certain fallacies about the Corn Belt as well as its vocabulary, its outstanding men and its characteristics.

FARM MANAGEMENT, by John Black and others. 1073 p. Macmillan, 1947. 281.12 B56F

Because of the book's logical organization, one need not be frightened by its 1073 pages. It is easy to pick out those particular problems in which the reader is interested and one need not read the entire book to get a lot of help out of the individual chapters. Chapter 28 deals with planning the farm. The authors state that the basic information required for any job of farm planning must include first of all a map of the farm. Generous illustrations are given of soil survey maps, conservation survey maps, and farm lay-out maps. The principles of land classification are illustrated by case examples of specific farms.

This book is one of the most practical treatises on farm management to appear in recent years. The reader is not encumbered by a large volume of hard-to-understand statistics, but he is aided in his reading by an easy style of writing, his agreement with the authors' practical approach to various problems, and only sufficient statistical data to constitute valuable reference material. - From the review by A. M. Hedge in Soil conservation, October 1947.

FLIGHT FROM THE CITY, AN EXPERIMENT IN CREATIVE LIVING ON THE LAND, By Ralph Borsodi. 133 p. 1947. 281.2 B64 Ed.3

This is the exposition of how the Borsodi family established a productive country home. The experiment in creative living on the land started in 1920 and still goes on. Both costs and prices are higher today, but the disparity between them had been widened. It paid to produce at home for home consumption twenty-five years ago; it pays even more today. The returns for every hour spent in the garden and orchard; in the workshop and kitchen, are therefore higher, in terms of money. The school of living was established as a research institution sponsored by a group of friends, mainly educators. Conclusions voiced in this book are substantiated by carefully made statistical studies. It has published the results of elaborate research into the economies of small-scale, home production and problems of modern life.

FOREST VALUATION WITH SPECIAL EMPHASIS ON BASIC ECONOMIC PRINCIPLES, by Herman H. Chapman and Walter H. Meyer. 521 p. McGraw-Hill, 1947. 99.57 C36F

This book supersedes Forest valuation, 1925 and Forest finance, 1935. The basis of all the economic discussions is that of a competitive economy founded on private initiative and free markets. The importance and economic role of public ownership and operation is given proper consideration.

HUMAN DESTINY, by Pierre Leconte du Nouy. 289 p. Longmans, Green, 1947. 330 L49

The scope of the author's theory is tremendous and he brings the most advanced scientific learning to its support. It is readable, however, as technical terms have been avoided. The author says in the preface: "The time has come for all men to become conscious of the part they can and must play in life, if our present Christian civilization is to endure. As the purpose of this book is to substantiate this faith (in the high destiny of Man) by giving it a scientific basis, the writer hopes that the reader will be rewarded by a clearer outlook on the most important problems of all times."

RAMMED-EARTH HOUSE, by Anthony F. Merrill. 230 p. Harper, 1947. 296 M55

Clinton P. Anderson, in his introduction, describes rammed-earth as "an easy and inexpensive building method...Great strides have been made in the past few years toward improving the reliability (of such construction). But here at last is one man's contribution to a partial solution of the critical housing shortage of the moment and the long-term shortage of truly low-cost houses with which we have always been plagued. (It) promises to fill a void in the nation's housing opportunities for those thousands who lack either the funds or the opportunity to secure anything more elaborate." In fact, Mr. Anderson wanted to pick an empty lot and start ramming a house on it because it sounded like such fun. The book itself is practical and written in an informal natural style.

ROAD TO SURVIVAL, by William Vogt. 335 p. Sloane, 1948. 279 V86

Bernard Baruch points out in his introduction, "This is no dry-as-dust study. It deals with the raw stuff of living, how more than two billion men and women, including you and me, are to be fed, sheltered, and clothed - and whether or not we will live in peace tomorrow, and next year, and in the year 1975." Road to survival pulls no punches. It is eloquent, sometimes grim, but always vivid. Mr. Vogt's

discussion of soil land-use practices gives in some detail the interrelated factors which keep the land in health. There is considerable mention of forests and forestry, subjects about which the author, doubtless because of his extensive knowledge of plant ecology, is remarkably well informed.

The land of northern Europe enjoys the best treatment of any in the world. But the people have been blinded by an economic will-o'-the-wisp; the illusion of living indefinitely off other people's fields. As long ago as 1775 Edmund Burke sensed that Europe's situation was precarious; "For some time past the Old World has been fed from the New."

Read Road to survival. It may shock you, but it is a preview of things to come as seen by a courageous, honest, competent scientist. He makes you actually feel the declining fertility of the land, the shrinking of our natural resources as against that relentless explosive growth in human numbers. There might be room for quibbling as to whether S-day (S for starvation or for salvation - it all depends!) will fall in 1991 or 2048. Of interest to all conservationists.

THE USE OF AERIAL SURVEY IN FORESTRY AND AGRICULTURE, by J.W.B. Sisan. Imperial agricultural bureaus. Joint publication no. 9, 59 p. 1947. 10 In73 no. 9

It is the purpose of this bulletin to outline the economic and technical possibilities of aerial photography in making land-use and vegetational surveys. Aerial photography can be used to advantage to give the best coverage and most accurate presentation of conditions in a relatively short time. Interpretation and application of aerial photographs are discussed.

YOU CAN TALK WELL, by Richard C. Reager. 312 p. Rutgers, 1946. 145.2 R22Y

The author says that everyone can improve his ability to talk well - an asset to anyone who works with the public. Good speech is simple, natural, easy. When it is natural it is effective. This book is designed to provide help for those who need and wish to develop this natural ability to make their speech more effective. The suggestions given will provide a practical, common sense approach to all oral communication, including presiding at meetings, (this hits agricultural employees for we are the meetingest folks) all kinds of speech making, interviewing, telephone speech and radio talks.

PAMPHLETS RECENTLY RECEIVED

CONSERVATION

Addresses by H. H. Bennett. Issued by U.S. Soil conservation service.

PERMANENT PEACE - a world's soil problem. Nov. 7, 1947. 1.96 AD62

SOIL CONSERVATION HELPS FARM AND COMMUNITY ACHIEVEMENT. Mar. 31, 1948. 1.96 AD62

SOIL CONSERVATION IN A HUNGRY WORLD. Jan. 20, 1948. 1.96 AD62 1948

FACTS ABOUT THE INDUSTRIAL UTILIZATION OF STRAW, U.S.D.A. Bur. of agricultural and industrial chemistry. 4 p. 1948. 1.932 A2Ag82 no. 189

BICOLOR LESPEDeza for quail and soil conservation in the Southeast. U.S.D.A. Leaflet no. 248, 8 p. 1948. 1 AG84L no. 248

CORNCOBS - their composition, availability, farm and industrial uses. U.S. Bur. of agricultural and industrial chemistry. AIC-177, 40 p. 1947. 1.932 A2Ag82

USING SALTY LAND, by H. Greene, United Nations, FAO. Agricultural studies no. 3, 49 p. Washington, 1948. 28 F73

FARMING INTERESTS

ALFALEA VARIETIES and seed mixtures. Conn. Agr. Expt. Sta. Bul. 258, 13 p. 1947. 100 C76Sb no. 258

Analysis of hedging and other operations in GRAIN FUTURES, by L.D. Howell. U.S.D.A.

Tech. Bul. no. 971, 83 p. 1948. 1 Ag 84Te no. 971
 Effects on farm prices, p. 59-60
 CORN SEED TREATMENT. Ind. Agr. Expt. Sta. Cir. 337, 4 p. 1948. 100 In2Pc
 Effect of CROP ROTATION AND MANURE on the yield and quality of sugar beets, U. S.
 Scotts Bluff (Nebr.) Field Station, 1930-41. U.S.D.A. Cir. no. 779, 20 p. 1948
 1 AG84C no. 779
 GRAIN GRADING PRIMER. U. S. Misc. Pub. no. 325, 61 p. 1948. 1 AG84M no. 325, rev
 1948
 GRASS SILAGE. Ind. Agr. Expt. Sta. Cir. 333, 11 p. 1948. 100 In2Pc no. 333
 GREASY AND CLEAN WEIGHTS OF WYOMING RANGE FLEECES. Wyo. Agr. Expt. Sta. Bul. no. 288
 46 p. 1948. 100 W99B 285
 KOREAN LESPEDEZA worth millions to East central and adjacent states. U.S.Agr.Res.
 Adm. R.A.S. 88(P), 1947. 2 p. 1.98 R31 no. 88
 MODERNIZING PASTURES. Iowa. Ext. Serv. Bul. P86. 1948. 100 Io9Pb no. 86
 MONTANA FARMER COOPERATIVES 1941 and 1946. Montana. Agr. Expt. Sta. Bul. 449, 55 p.
 100 M76(b) no. 449
 NORTH DAKOTA WHEAT YIELDS. N.D.Agr.Expt. Sta. Bul. 350, 31 p. 1948. 100 N813B
 SELECTING DAIRY CATTLE on the basis of type and production records. U.S.D.A. Farmer
 Bul. no. 1998, 28 p. 1948. 1 Ag84F no. 1998
 USE OF TRACTOR POWER, animal power, and hand methods in crop production. U.S. BAE.
 FM-69, 32 p. 1948. 1.941 L6F22 no. 69
 WHAT SIZE FARM or ranch for South Dakota, S.D. Agr. Expt. Sta. Bul. 387, 18 p. 1947
 100 So82B no. 387

PERIODICAL NOTES

Crops and markets, a BAE statistical publication, formerly a quarterly
 will now be an annual. Jan. 1947 is the last issue published.

Farm Policy Forum is now available for circulation. Published quarterly at Ames,
 Iowa, by the Iowa State College Press, the purpose of this magazine is to bring to
 public attention timely and often controversial articles in farm policy. Some items
 in recent issues: Let's face it!- What an Iowa farmer saw in Europe; the government's
 role in marketing; what size farms?; Wool and the public interest; Co-ops today's
 controversy; The roots of the farm income problem. All articles are signed.

A LIST OF PERIODICALS that are available for regular circulation has recently been
 deposited in your office. Have you checked it and notified the library of those you
 wish to receive?

Did you see these articles?

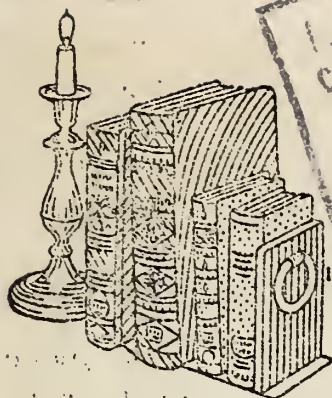
Growth of field crops in soil treated with chemical growth-regulators, by D.L. Tay-
 lor. Botanical gazette 108(3): 432-445. March 1947.

New fields in industry seen with further utilization of sugar beets. Western
 farm life. p. 8, June 1, 1947.

The profit aspects of soil conservation, by Lloyd E. Partain. Journal of the
 American society of farm managers and rural appraisers 12(1): 60-69, April 1948.

World soil and fertilizer resources in relation to food needs, by Robert M. Salter,
 Chief, BPISAE. Science 105(2734): 533-538. May 23, 1947.

Includes a map of soil groups of world and tables showing attainable increase
 in yield due to improved practices.



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When sending in requests it will be appreciated if you give your name, bureau (as SCS, BAE, BAI, etc.) and the address if outside Lincoln. Complete information about the material is also most helpful - author, title and call number. Please note that a call number looks like this: 56.7 J122 in Newsletter or Bibliography of agriculture where space is limited. It should be written 56.7 in the space provided at upper left corner of the AD-245. J122

NEW BOOKS IN YOUR BRANCH LIBRARY

THE EARTH IS OURS, by Marion Pedersen Teal. 205 p. N.Y., Crowell, 1948. 31.3 T22
This is the valuable account of how the Teals took over 230 eroded acres and a drafty, dreary house. How they struggled against the rats, the prairie storms, the snow, the droughts, to achieve a final victory for modern scientific farming. Whether your farm embraces four hundred acres, a window box, or a wishful thought, there is information here for you. There is also a powerful plea for redeeming the soil of our nation - that irreplaceable layer of wealth that is being washed into the sea by the millions of tons.

FISH PONDS FOR THE FARM, by Frank C. Edminster. 114 p. Scribner's, 1947. 414 Ed5
Fish have a fascination for folks possessed by few other animals and the great sport of fishing has developed as a result of this attraction. The many fine foods we get from fish is surely one of the reasons men have been spurred to grow them under controlled conditions and make of fish a crop of the land and water. Full directions are given for location of the pond, building it and landscaping the pond area. The author discusses also: Preparing old ponds for fish management, How to develop good fishing and How to maintain the pond.

HANDBOOK OF INFORMATION ON ENTERING POSITIONS IN FORESTRY, by Shirley W. Allen. 2d ed. 56 p. Washington, D. C., Society of American foresters, 1947. 99.06 A152
"This handbook is designed to supply informal descriptions of typical entering positions in the work of growing, managing and utilizing forests. It will also assist guidance officers and students themselves to become familiar with the nature and requirements of forestry as a profession or vocation. Opportunities for training and education leading to forestry employment are also listed." Preface.

THE HYBRID-CORN MAKERS: PROPHETS OF PLENTY, by A. Richard Crabb. 331 p. New Brunswick, Rutgers Univ. Press, 1947. 59.22 C84
The story of the making of hybrid corn is a chronicle of one of man's proudest ventures into teamwork with nature. Corn is one of the most remarkable green

plants. It is a rich source of food for man, and it is the fuel that powers the livestock and dairy industries. A group of two dozen men revolutionized the growing of corn by producing hybrid corn - miraculously improved in food content, in quantity of yield, and in immunity to disease. The prospect for future developments in hybrid corn is one positive hopeful prediction in a hunger-haunted world.

HOW TO MAKE A SPEECH AND ENJOY IT, by Helen Partridge. 23 p. National Publicity Council, 1944. 145.2 P25

Practical advice and helpful suggestions for the person who has to make a speech. The style is brief, clear and to-the-point. Some of the problems discussed are: Making the most of stage fright, What to wear, Preparing your speech, Planning the wind-up, Polishing your speech, Delivery and finally, You're on.

KODACHROME AND EKTACHROME FROM ALL ANGLES, by Fred Bond. 3d ed. 244 p. San Francisco, Camera Craft publishing company, 1947. 332 B64 Ed. 3

There is a Chinese saying that "one picture is worth a thousand words" as a vehicle for conveying facts and ideas. The color illustrations in this book will bear out the truth of the saying. The book literally justifies the statement in its title that it covers kodachrome and ektachrome from all angles. The author brings to the task 30 years of experience. The subject is covered systematically and thoroughly, beginning with several chapters devoted to the general use and application of color in art. He teaches the reader to see color and gives him a sound understanding of the characteristics and mechanics of color before proceeding to specific directions for the use of the particular mediums...He discusses what to expect in the use of color and what not to expect and gives the surprising reasons for many color effects for which the operator had previously jumped to the conclusion that the color film or the processing was at fault. Much attention is given to methods of obtaining correct exposure, emphasis upon intelligent use of a meter, which is explained by the aid of very clever diagrams. Detailed procedure is given for such specialized work as landscapes, still life, portraits, flowers and gardens, and sunsets. Special chapters are devoted to the use of reflectors and diffusers, and filters and color meters.

A WORD IN YOUR EAR, AND JUST ANOTHER WORD, by Ivor John Carnegie Brown. 2 pts. in one volume. New York, Dutton, 1946. 200 B815 1946

These two little books, bound together in one volume, are what the author calls "an anthology of words". The words which struck his fancy in reading have been combined with Ivor Brown's own delightful comments. The book will be of interest to government employees, because as the editor of USDA says: "Brown is severe with officialese, or gobbledygook which he calls the barnacular (from barnacles)". It will enrich your vocabulary.

RECENT PAMPHLET MATERIAL

CONSERVATION

The challenge of soil conservation, lecture by H.H. Bennett, as part of the Great Issues Course, Dartmouth College, Hanover, N.H. 12 p. 1.96 AD62 April 5, 1948.

Physical land conditions affecting use, conservation, and management of land resources, Ness county, Kansas. 22 p. 1948. 1.96 L22Phnc

Issued by U. S. Soil Cons. Service and Kansas Agr. Expt. Sta: cooperating.

Possible effects of conservational land use on production in the corn belt and Lake states. U.S. Bureau of agricultural economics. 57 p. 1947. 1.941 L3P84

Range fieldbook, series III. 23 p. Fort Worth, Texas, 1947. 1.9604 R16

Issued by U. S. Soil conservation service, Western Gulf region.

Recommended practices for soil erosion control, by A. E. Seamans. Montana. Agr. Expt. Sta. Cir. 190, 7 p. 1948. 100 M76 no. 190

Soil, soil management and soil conservation, a manual for youth groups, by Leonard L. Ladd. South Dakota, Ext. Serv. Cir. 436, 11 p. 1948. 275.29 So85 No. 436
 Soil conservation pays, La Crosse, Wis., 1948. 3 pts. 1.96 R31S1 Pt.1-3
 Issued by U.S. Soil conservation service and Wisconsin Agr. Expt. Sta. cooperating.
 Pt. I. Effect on farm production and income.
 Pt. II. Effects of specific soil conserving practices on yields and on costs.
 Pt. III. Larger incomes from complete farm conservation plans.
 Studies in soil nitrogen and organic matter maintenance, by M.F. Miller. Missouri. Agr. Expt. Sta. Research bulletin 409, 32 p. 1947. 100 M693(r) no. 409

FARMING INTERESTS

Commercial fertilizer report for 1947. Montana. Agr. Expt. Sta. Bul. no. 450, 12 1948. 100 M76 no. 450
 Dehydrated sweetpotatoes for fattening steers, by Byron L. Southwell and W.H. Black. Georgia Coastal Plain Expt. Sta. Bul. 45, 24 p. 1948. 100 G292 no. 45
 Distinguishing seeds of ryegrass, Lolium spp. and the large-seeded fescues, festuca elatior and varieties. 5 p. Beltsville, Md., 1948. 1.965 F2D633
 Issued by U.S. Dept. of Agr. Bur. of plant industry, soils and agricultural eng.
 Factors affecting seasonal milk production and their effect on producers' costs and returns. Maine. Agr. Expt. Sta. Bul. 459, 46 p. 1948. 100 M28S no. 459
 Farm land prices in the Midwest, by the North Central regional land tenure committee Mich. Agr. Expt. Sta. Spec. Bul. 349, 35 p. 1948. 100 M58S no. 349
 Kansas, Nebraska, North Dakota and South Dakota are included in the area covered
 Getting more value from the forage crops, by R.E. Hodgson. 10 p. 1948. 1.9 D14Bd
 Issued by U.S. Bur. of dairy industry.
 Hay rack and feed trough for weaner calves and yearlings, by C.A. Brennan. Nevada Agr. Expt. Sta. Bul. no. 178, 13 p. 1948. 100 N41S(b) no. 178
 Insect pests of muck crops, by G.E. Gould. Ind. Agr. Expt. Sta. Cir. 338, 20 p. 1948 100 In2P no. 338
 Integration of irrigated and dry-land farming in the North Platte Valley, in 1946, by Elco L. Greenshields and Stanley W. Voelker. 50 p. 1947. 1.941 L6In8
 Issued by U.S. Dept. of agriculture, Bureau of agricultural economics in cooperation with U.S. Dept. of interior, Bureau of reclamation.
 Pesticides. The influence of various pesticides on the growth and transpiration of cucumber, tomato, and potato plants, by J.D. Wilson and J.P. Slesman. Ohio Agr. Expt. Sta. Bul. 676, 23 p. 1948. 100 Oh3S no. 676
 Quantity of alfalfa seed verified as to origin (exclusive of reverification) by states, annual 1942 - 48. 1948. 1.9422 G2A12
 Issued by U.S. Production and marketing administration, Grain Branch.
 Recommended varieties of farm crops for Montana, 1948. Mont. Agr. Expt. Sta. Cit. 189, 32 p. 100 M76C no. 189
 Soybeans, production, farm disposition, and value, by states, 1924-44. 16 p. U.S. Bureau of agricultural economics. 1947. 1.941 H2S092 1924-44

FORESTRY

Aspen lumber for building purposes, by Louis W. Rees. U.S. Lake states forest Expt. Sta. Aspen report no. 9, 11 p. 1947. 1.9622 L2L14
 Forest resources of Northern Montana, by C. W. Brown and W.C. Hodge. U.S. Forest service, Northern Rocky Mountain forest and range experiment station. Station paper no. 13, 20 p. 1948. 1.9622 N3St1 no. 13
 Seasoning of aspen, by Harvey H. Smith. U.S. Lake states forest Expt. Sta. Aspen report no. 5, 19 p. 1947. 1.9622 L2L14 no. 5
 What is the time between ignition and discovery of lightning fires? by Wm. G. Morris. U.S. Pacific Northwest forest Expt. Sta. Forest research notes no. 40, 5 p. 1947. 1.9 F7629Fr

HOME ECONOMICS

Bibliography of recent publications. U.S. Dept. of agriculture. Bur. of human nutrition and home economics. Family economics div. 1947. 1.982 E2B47

Brief reviews of publications on farm family interests.

Easier homemaking. Ind. Agr. Expt. Sta. Bul. 529, 47 p. 1948. 100 In2P no. 529

Finishing unpainted furniture. Vt. Ext. PR 348, 7 p. 275.29 V59E no. 348

Potato preferences among household consumers. U.S. Dept. of agriculture. Misc. Pub. No. 667, 119 p. 1948. 1 Ag84M no. 667

Step-saving U kitchen. U.S. Dept. of agriculture. M.P. 646, 11 p. 1948. 1 Ag84M

Use and care of plastic fabrics. Vt. Ext. Brieflet 772, 6 p. 1947. 275.29 V59E

Vitamin A and carotene in human foods, Texas. Agr. Expt. Sta. Bul. no. 690, 34 p. 1947. 100 T31Sb

Vitamin and mineral content of certain foods as affected by home preparation. U.S. Dept. of agriculture. M.P. no. 628, 76 p. 1948. 1 Ag84M no. 628.

MISCELLANEOUS

Agricultural outlook for the present and a long-range program for the future. 14 p. 1948. 1.941 A2T29

The agricultural research and marketing act of 1946, a consideration of basic objectives and procedures. National planning association: Agriculture committee on national policy. Special report no. 19, 16 p. 1948. 281.12 N218

Issued by U.S. Bur. of agricultural economics. "Address by Robert C. Tetro..."

Chemurgy, servant or master, by Louis B. Howard. U.S. Bur. of agricultural and industrial chemistry. AIC - 186, 8 p. 1948. 1.932 A2Ag82 no. 186

Cooperative frozen food locker associations, by L.B. Mann and P.C. Wilkins. U.S. Farm credit administration. Misc. report 116, 36 p. 1948. 166.3 M68 no. 116

Enjoy your child - ages 1, 2, and 3, by J.L. Hynes. Public affairs pamphlet no. 141, 32 p. 1948. 280.9 P964 no. 141.

The guaranteed annual wage, by Alexander Calder and J.L. Knipe. Planning pamphlet no. 63, 38 p. 1948. 280.9 N2153 no. 63

The new Flesch readability formula. 4 p. 1948. Reprint file. Writing - Flesch.

This statistical yardstick estimated the readability of your writing - that is, how easy and interesting it will be to read. This formula is a revision of the formula described in his book the art of plain talk (200.4 F63 in Lincoln Branch library)

Issued by U.S. Dept. of Agr., Extension service, by permission of Dr. Flesch.

New threats to American freedoms, by Robert E. Cushman. Public affairs pamphlets no. 143, 32 p. 1948. 280.9 P964 no. 143

Population distribution and rural services in the Northern Great Plains, by A.H. Anderson. Colo. A. & M. College. Lib. Bul. No. 18. 13 p. 1947. 281.2 An25 no. 18

Power, machines, and plenty, by G. Waldron and J.F. Dewhurst. Public affairs pamphlet no. 142, 32 p. 1948. 280.9 P964 no. 142

Report of the Kansas state board of agriculture, vol. 67, no. 285, 320 p. 1948. 2 K13
"A chronicle of Kansas climate, past and present, prepared by S.D. Flora, Meteorologist, U.S. Weather Bureau, and his associates; evidencing the dependence of bountiful agriculture upon favorable climatic environment."

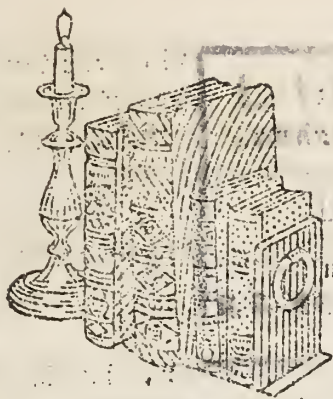
Rural electrification. 48 p. Washington, 1948. 1.941 R5R888

A partial list of references from the Bibliography of Agr., July 1942-Nov. 1947.

6th annual report, the Nebraska chemurgy project. Chemurgy project bulletin no. 7, 20 p. Lincoln, University of Nebraska, 1948. 381 N27A 6th

State councils and associations of farmer cooperatives 1947, by J.L. Searce. U.S. Farm credit admin. Misc. report 117, 65 p. 1948. 166.3 M68 no. 117

Marie L. Gould,
Librarian



LIBRARY NEWSLETTER

U. S. DEPARTMENT OF AGRICULTURE

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NEW BOOKS IN YOUR BRANCH LIBRARY.

THE AMERICAN FARMER, HIS PROBLEMS & HIS PROSPECTS, by Lee Fryer. 172 p. Harper, 1947. 281.12 F94

Here is a book about farmers. It tells how farmers live and farm, and more than that, it tells how farmers want to live and farm. It is about their struggle to survive, their houses, their health and income and their future in the United States. The author writes with the conviction that a secure, decent rural life is possible in this country; that farm communities can employ all of their people in productive occupations; and that the conditions of income, health, housing and education for rural people can be raised to the general American standard. He opposes any system of food production that would cause large numbers of people to become migratory farm workers, homeless and exploited by big farm operators and farming corporations. He analyzes the facts of land tenure, income credit housing, health and rural employment, and puts into words what farm people experience and believe. Finally, the book outlines a workable approach to the goal of making farm living an attractive and stimulating part of our social and economic life in America. The author believes that rural people must do what needs to be done themselves; he gives them the facts and points out the way.

THE BIG MISSOURI: HOPE OF OUR WEST. Public affairs institute, Report no.2, 57 p. Washington, 1948. 292 P962

This is an analysis of the current activities and foresight of the several administrative agencies at work under many Congressional authorizations in one of our largest resource areas - the Missouri River Basin. This area has many possibilities for improvement. Will the work now going on in the Missouri Valley produce among other benefits low-cost water for a thirsty land, effective flood control and navigation in the lower reaches of the river together with conservation, plentiful and low-cost power and that degree of industrialization needed as the partner of a virile agriculture? Have the costs been fully evaluated? Are all the various objectives working as much in unison as is possible with American engineering and scientific resource development? Read this report for a better understanding of this problem.

FOREST INFLUENCES, by Joseph Kittredge. 394 p. McGraw-Hill, 1948. 99.36 K65

This book brings together the widely scattered information on the value of forests and shrubs as a protective covering for the land. It gives the effects of woody vegetation on climate, water and soil, with applications to the conservation of water and the control of floods and erosion. The author discusses the possibilities in forest management for producing maximum yields of usable water.

Kinds of vegetation for erosion control on different sites and in the various regions of the United States are treated in detail. The material is given from the viewpoint of forestry but at the same time, the book necessarily includes a wealth of important data from hydrology, soil science and meteorology.

HEAVEN'S TABLELAND; THE DUST BOWL STORY, by Vance Johnson. 288 p. Farrar, Straus, 1947. 138 J632

Man's struggle against his ancient and implacable enemy, the weather, is the theme of this popular history of the Great Southern plains of the United States. On the one hand are the people. Ranged against them are the forces of nature: the sudden torrential downpours, the month-long blizzards, the droughts, the grasshoppers and above all, the wind. "Not only does Mr. Johnson have a sound grasp of the major elements of the story, but he develops its principal themes with a richness of detail and incident that makes their meaning crystal clear. One is immensely moved by the story of the patience, the integrity and the social idealism of the soil experts and technicians who have fought such an uphill struggle to assert the mastery of science over a tricky environment... Immensely readable, well organized and constantly pertinent." - Carey McWilliams, in American Academy of political and social science, Annals 236, March 1948. Edward H. Graham, SCS, recommends the book to all conservationists.

HOW TO DOUBLE YOUR VOCABULARY, by S. Stephenson Smith. 360 p. Crowell, 1947. 200 Sm6H

"Successful people have large vocabularies. Over and over again army tests, intelligence tests, and industrial examinations have proved that the better-than-average vocabulary lands the better-than-average job. But merely to encounter the additional words which would form a large vocabulary would require ten years of constant reading. This book seeks the words that lie just beyond the command of the average American. It sorts them into the most useful fields and gives him the ones he needs there. The author brings to the reader all he has found out about the new and vital language of today, the language of atomic science, as well as the vocabulary of radio, Runyonesque and substandard speech. There is a chapter on using the dictionary, and what dictionary to use. There is advice on using short words for long ones, and vice versa. An excellent section tells how words change meaning. The author is a past master at making words interesting. Numerous word games and puzzles make sure that a word once acquired is never forgotten. The key words are printed in distinguishing type in the reading matter and also collected in a separate index. Finally you may ascertain your rating as you progress with vocabulary tests throughout the book."

MANUAL ON WOOD CONSTRUCTION FOR PREFABRICATED HOUSES. 330 p. 1947. 1 F7692M

Prepared by the Forest products laboratory, Forest service, U.S. Dept. of agriculture in collaboration with the technical staff of the Housing and home finance agency. This manual, which covers a wide range of basic information, assembles much that is already known, but it also makes new contributions to the subject and presents the results of extensive tests and studies in wood handling and processing. It should be helpful to engineers, housing officials and others who are interested in planning and building wood-prefabricated houses. It discusses such subjects as: Strength of housing materials, Protection of wood from decay, insects, fire, Paints and painting, Insulation and ventilation of houses, Seasoning and storage of housing materials, Glues and gluing and Repair techniques.

PROCEEDINGS OF THE WESTERN FARM ECONOMICS ASSOCIATION, June 25, 26, 27, 1947.

Twentieth annual meeting. 194 p. Logan, Utah, 1948. 280.83 W53 20th

Papers at the conference were on the following subjects: Future agricultural policy, The college curriculum in agricultural economics, Public grazing lands, Adequate statistical data, The economic aspects of regional planning, Farm credit and land values, and The job of the agricultural economist.

SOIL CONSERVATION, AN INTERNATIONAL STUDY. Food and agriculture organization of the United Nations. Agriculture division. Agricultural studies no.4, 189 p. Washington, 1948. 28 F73 no. 4

This book tells how soil erosion happens and how it can be checked on farm lands, range lands, and forest lands. It gives the story of "Kaingin", or shifting cultivation, long used in tropical and subtropical lands and how it can be improved to meet the needs of the people there and in other countries. It tells how science in many places, is just now catching up with the farmer in conservation and land use with a brief account of measures being taken in various countries of the world to correct the misuse of land. Emphasis is placed on the physical bases of soil waste and soil conservation, but any discussion of this kind cannot ignore the human factors such as government and social and economic conditions that too often force land use into the ways of destruction.

In this study much attention has been given to China and the United States. Both countries occupy great continental areas with tremendous variations in climate, relief and soils. Together they furnish examples of land use and abuse under many combinations of physical, social, and economic conditions. China has a long, long history of slow but inexorable occupation of the land; the United States, where the pressure on the natural resources was dictated not so much by great need as by a restless acquisitive drive for expansion and rapid exploitation. - From the introduction.

Fine photographic illustrations are an important part of the book as is also a land classification map of the world. Special credit was given to the U.S. Soil conservation service for the illustrations and other data which were made available to FAO. The organization of material is good and the explanations are clear.

USING AND MANAGING SOILS, by A.F. Gustafson. 420 p. McGraw-Hill, 1948. 56.7 G97U

The purpose of this book is to provide basic information and practical suggestions on using and managing soils. The fundamentals of soil conservation and improvement principles are set forth in such a manner as to make clear to the reader the reasons for the practices discussed in connection with the activities included.

Holding the soil in place against washing and blowing and keeping the soil productive over the years are stressed throughout the volume. The necessity for the return of organic matter, fertilization, crop rotations the proper handling of sour and alkali soils, and drainage, as well as appropriate tillage at the right time under the right conditions, also receive their full share of attention. Continued neglect and mismanagement of soils leads to lowered crop yields and eventual abandonment. Taking any but poor soils out of production is serious in view of the present rate of population increase and world needs for food, fiber, and oil products. A well-planned, well-understood, and well-carried-out program of soil management on every farm means soil that will continue to produce satisfactorily in accordance with its capabilities. There are chapters on selecting land, managing pasture, fruit, lawn and other types of soils.

BIOLOGY

- The biology of the pocket gopher, *Thomomys talpoides*, in Montana, by C.A. Tryon, Jr.
Mont. Agr. Expt. Sta. Bul. 448, 30 p. 1947. 100 M76 no. 448
- The potato psyllid, *Paratrioza cockerelli* (Sulz), its biology and control, by D.J. Pletsch.
Mont. Agr. Expt. Sta. Bul. 446, 95 p. 1947. 100 M76 no. 446

BOTANY

- Leaf rust of wheat in the uniform rust nurseries in the United States 1938-43. U. S. Dept. of agriculture. Tech. Bul. no. 960, 13 p. 1948. 1 Ag84Te no. 960
- Stem rust, by C. M. Nagel. S. D. Agr. Ext. Service. Ext. leaflet 110, 12 p. 1948. 275.29 So85E 110 A disease of small grains of forage grasses.
- Vegetative characteristics of some wild forms of *saccharum* and related grasses. U. S. Dept. of Agriculture. Tech. Bul. no. 951, 69 p. 1948 1 Ag84Te 951
- Virus diseases of plants, what they are and how they differ from fungus diseases. Mich. Agr. Expt. Sta. Cir. Bul. 208, 19 p. 1947. 100 M58Scb 208

CONSERVATION

- Careers in soil conservation. U. S. Soil conservation service, SCS-MP-30, 8 p. 1947. 1.9 A46Mp no. 30
- Evergreen windbreaks for Iowa farmsteads, by R.B. Campbell and R.B. Graus. Iowa Agr. Expt. Sta. Bul. P88, pp. 920-948. 100 Io9(Pb) no. 88
- Organizing and planning for more effective education in soil and water conservation. 23 p. Laramie, Wyo., 1946.
Issued by Northern Great Plains conservation education committee.
- Saving soil N.D. Ext. Serv. Spec. Cir. A-111, 27 p. 1947. 275.29 N812Sa no. 111
- Some conservation and resource-use workshops and courses (by states) 1947 and 1948. U. S. Forest service. 16 p. 1948. 1.962 A2So52
- Vetch for soil improvement. Okla. Ext. Serv. Cir. 472, 16 p. 275.29 Ok41C no. 472

FARMING

- Changes in farming. U.S. Bureau of agriculture economics. FM 58 Rev., 107 p. 1948. Washington, D. C., 1.941 L6F22 no. 58, Rev. 1948.
- The effect of defoliation on the functions of red winter wheat. Kansas, Agr. Expt. Sta. Tech. Bul. 62, 95 p. 1948. 100 K13S(t) no. 62
- Feeding dairy cows. Iowa. Agricultural experiment station. Bulletin P89. pp. 953-984. 1948. 100 Io9(Pb) no. 89
- Low protein roughage for fattening cattle, by J.H. Knox. N.Mex. Agr. Expt. Sta. Bul. 343, 19 p. 1948. 100 N465B no. 343
- Managing farm finances, by Harold C. Larsen, and Neil W. Johnson, U.S. Dept. of agriculture. Misc. Pub. no. 652, 69 p. 1948. 1 Ag84M no. 652
- New varieties of oats from bond crosses resistant to Victoria blight, by T.R. Stanton. U.S. Dept. of agriculture. Cir. no. 795, 7 p. 1948. 1 Ag84C no. 795
- Plans of farm buildings for western states. U.S. Dept. of agriculture. Misc. Pub. no. 319, 120 p. 1939. 1 Ag84M no. 319
This publication is the best and most helpful authority on the subject.
- Winter cover crop seeds, Austrian winter peas, hairy vetch, common and Willamette vetch, Hungarian vetch, purple vetch, common ryegrass, perennial ryegrass, lupine, and crimson clover, 1936-47, acres harvested, yield per acre, production, price and value of production, by states. 15 p. 1948. 1.941 H8Se3
Issued by U. S. Bureau of agricultural economics.

FORESTRY

- Forest fire statistics, calendar year 1947. 12 p. 1.9 F76Ffs
Issued by U.S. Forest service.
- Summary of forest plantings in the United States, Calendar year 1947. Compiled
by U. S. Forest service. Div. of cooperative forest management. 1.962 S2Su6
- Tree breeding at the Institute of forest genetics. U. S. Dept. of agriculture.
Misc. Pub. no. 659, 14 p. 1948. 1 Ag84M no. 659
- Use of aircraft in forestry. 9 p. 1948. 1.962 A2Us23
Issued by U. S. Forest Service.

MISCELLANEOUS

- Aircraft for spraying and dusting. U. S. Bur. of entomology and plant quarantine.
EC-2, 23 p. 1948. 1.967 A2Ecl no. 2
- Artificial lighting for forcing greenhouse crops, by Alice P. Withrow. Indiana
Agr. Expt. Sta. S.B. 533, 27 p. 1948. 100 In2P no. 533
- Behavior of house paints on different woods. U. S. Forest Service. Forest
products laboratory. No. R1053 rev. 1948. 1.9 F761R no. 1053
- Boron fertilizer recommendations by states extracted from references cited, Com-
piled by Helen N. Huggins. Washington, D. C., American potash institute, inc.,
1947. Boron special I, 32 p. 241 Am33Bf
- Soil survey of Lancaster county Nebraska, by T. E. Beesley and others. U.S. Dept.
of agriculture. Series 1938 no. 15, 70 p. 1948. 1 So32F Nebraska
U. S. D. A. A.R.A., BPISAF in cooperation with the U. of Nebr. State soil
survey dept. of the Conservation and survey div.

STATISTICS

- Agricultural economic and statistical publications. 54 p. 1948. U.S. Bureau of
agricultural economics. 1.9 Ec731La 1948.
- The international wheat agreement. U.S. Office of foreign agricultural relations.
Foreign Agr. Cir. FG-4, 22 p. 1948. 1.943 F7633
- 1948 production goals handbook. 95 p. 1.9424 A8P94
Issued by U. S. Dept. of agriculture.
- World sheep numbers in 1947 and 1948. U. S. Dept. of agriculture. Office of foreign
Agr. relations. Foreign agriculture circular FLM 3 -48, 8 p. 1948. 1.943 F116
- World wool production in 1947 and preliminary 1948. 1948. 1.943 F7627
Issued by U.S. Dept. of agriculture, Office of foreign agricultural relations.
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PERIODICAL NOTES

I hope you all noticed the article, Forecasts to help you fight plant disease,
the U. S. Dept. of agriculture page in the Country Gentleman 118(11): 34, Nov:
1948. It explains the national plant disease forecasting service of the U. S.
Dept. of agriculture and the place of the periodical Plant disease reporter
issued by the Bureau of Plant industry, soils and agricultural engineering.

Available for circulation. U.S. Bureau of agricultural economics. The farm cost
situation. semi-a.

A glance at civil service, by Jerry Carlile. Personnel administration 11(1): 33-34.
Sept. 1948.

Golden anniversary, by Arthur H. Carhart. American forests 54(9): 400-402, 420. Sept. 1948. "There is a sort of magic about the Black Hills which have now passed the half century as a part of the national forests. It lies in the forests of pine and their shining cloak of history." (South Dakota, please note!)

How shall we use our national forests? by Robert Rowe. Western farm life 50 (20): 9, 36. October 15, 1948.

Our forests and watersheds, by Edward M. Munns. Scientific monthly 67(5): 347-354. Nov. 1948. Chief of the Div. of forest influences, U.S. F.S., discusses a vital problem in forestry.

Roaster review, pointers for prospective purchasers of electric roasters. Food and home notes Nov. 3, 1948, p. 5. Home administration specialists are overlooking a source of timely information if they do not see this little periodical of the U. S. D.A. Other items in this issue are: On adding nuts to favorite recipes, Trends toward finer apple juice, Rule for cooking bacon or sausage, and Prune spice cake, popular school lunch recipe makes good family dessert.

Sandhills of Nebraska, example of good land use, by Hugh Bennett. Soil conservation 14(4): 80-81 Nov. 1948.

Shelterbelts are proven success, by E.W. Wheeler (U.S. Forest service). In South Dakota conservation digest Sept. 1948, p.1, 12, 16.

Soil conservation in nurseries, by Joseph A. Abrahamson. American nurseryman 88(9): 15, 60, 61.

10th Annual horse issue of the Cattleman Sept. 1948 will be of interest and benefit to those who deal with horses. One article is: Horses need good grass, by B.W. Allred

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Marie L. Gould.
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